

# BV-BRC Test Report

## D13. Epitopes Data Tab

<b>Item to test</b>	<b>Epitopes Data Tab</b>
<b>URL</b>	<a href="https://www.bv-brc.org/view/Taxonomy/11320#view_tab=epitope&amp;filter=false">https://www.bv-brc.org/view/Taxonomy/11320#view_tab=epitope&amp;filter=false</a>
<b>Prerequisites</b>	None
<b>References</b>	<a href="https://www.bv-brc.org/docs/quick_references/organisms_menu.html#browsing-bv-brc-by-taxon">https://www.bv-brc.org/docs/quick_references/organisms_menu.html#browsing-bv-brc-by-taxon</a>
<b>Tester(s)</b>	Rebecca Wattam, Richard Scheuermann, Ron Kenyon
<b>Test date</b>	6-Jan-2022 and 4-Feb-22 (original – passed), 9-May-2022 (follow-up-passed)
<b>Test result</b>	<b>Passed</b>

### Overview

- Test the Epitopes Tab with example bacterial and viral data.
- Verify appropriate genomes.
- Test Filter.
- Test Epitope action button.

### Test Results

- Test results were verified by examination of returned data via inspection and filters.
- All operations performed as expected.

# Bacteria

## Shigella:

Taxon View  
 Bacteria » Proteobacteria » Gammaproteobacteria » Enterobacterales » Enterobacteriaceae » **Shigella** ( 5460 Genomes )

Overview | Phylogeny | Taxonomy | Genomes | AMR Phenotypes | Sequences | Proteins | Protein Structures | Specialty Genes | Domains and Motifs | **Epitopes** | Pathways

DOWNLOAD | KEYWORDS | ADV Search | HIDE

Epitope Type	Protein Name	Host Name	Assay Results
Discontinuous peptide (1)	undefined (3)	Homo sapiens (human) (13)	B cell - Negative (650)
Linear peptide (788)	ATP binding protein (2)	Macaca mulatta (rhesus macaque) (677)	B cell - Positive (137)
Non-peptidic (29)	Arginine 3rd transport system periplasmic binding protein (1)	Mus musculus (mouse) (8)	MHC - Negative (49)
	DDE_Tnp_Tn3 domain-containing protein (1)	Mus musculus 129 (6)	MHC - Positive (73)
	DNA polymerase IV (1)	Mus musculus BALB/c (31)	T cell - Negative (4)
	EAL domain-containing protein (1)	Mus musculus BALB/cByJ (3)	T cell - Positive (1)
	Flavodoxin 1 (2)	Mus musculus C57BL/6 (4)	
	Flavodoxin/ferredoxin--NADP reductase (2)	Mus musculus Swiss Webster (1)	
	GDP-L-fucose synthase (3)	Oryctolagus cuniculus (rabbit) (39)	
	GFO_IDH_MocA domain-containing protein (1)	Oryctolagus cuniculus New Zealand White (3)	
	Hypothetical bacteriophage protein (2)	Platyrrhini (New World monkey) (4)	
	Hypothetical lipoprotein (1)	Rattus norvegicus LOU/C (2)	
	IS1294 ORF (3)	cattle (Bos taurus) (3)	
	IS4 ORF (1)	human (Homo sapiens) (76)	
	IS911 ORF2 (2)	mouse (Mus musculus) (1)	
	ISS114 ORF2 (3)		

<input type="checkbox"/>	Epitope ID	Epitope Type	Epitope Sequence	Organism	Protein Name	Total Assays	Bcell Assays	Tcell Assays	MHC Assays
<input type="checkbox"/>	16624	Linear peptide	FLGKNKLA	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	1679	Linear peptide	AGSKLGLN	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	1725	Linear peptide	AGWISPGG	Shigella flexneri	Invasin IpaD	4	3/4		
<input type="checkbox"/>	17665	Linear peptide	FSAEETM	Shigella flexneri	Invasin IpaD	1	1/1		
<input type="checkbox"/>	17676	Linear peptide	FSAVLSSL	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	17806	Linear peptide	FSPNNTNG	Shigella flexneri	Invasin IpaD	2	1/2		
<input type="checkbox"/>	1783	Linear peptide	AHIPLNVG	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	18640	Linear peptide	GAKKTHSG	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	18677	Linear peptide	GALRKNLA	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	187622	Linear peptide	AEVYNKDGKLD	Shigella flexneri	Outer membrane prote 3	3	0/3		
<input type="checkbox"/>	187630	Linear peptide	DDNQFTRDAG	Shigella flexneri	Outer membrane prote 3	3	0/3		
<input type="checkbox"/>	187635	Linear peptide	EGEGMTNNGREALR	Shigella flexneri	Outer membrane prote 3	3	0/3		
<input type="checkbox"/>	187657	Linear peptide	GNSAENENNSWT	Shigella flexneri	Outer membrane prote 3	3	0/3		
<input type="checkbox"/>	187660	Linear peptide	GVINGRNTDDED	Shigella flexneri	Outer membrane prote 3	3	1/3		
<input type="checkbox"/>	187704	Linear peptide	RYDERY	Shigella flexneri	Outer membrane prote 4	4	3/4		
<input type="checkbox"/>	18829	Linear peptide	GAVTQVGI	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	19087	Linear peptide	GDQMISHR	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	19473	Linear peptide	GEVVLDNA	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	19615	Linear peptide	GFSAEDET	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	199	Linear peptide	AAHIPLNV	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	19934	Linear peptide	GGNDGNSV	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	19935	Linear peptide	GGNGEVVL	Shigella flexneri	Invasin IpaD	1	0/1		

1 - 200 of 818 results < 1 2 3 ... 5 >

Keyword: Shigella

Result: (count matches)

Taxon View  
 Bacteria » Proteobacteria » Gammaproteobacteria » Enterobacterales » Enterobacteriaceae » **Shigella** ( 5460 Genomes )

Overview | Phylogeny | Taxonomy | Genomes | AMR Phenotypes | Sequences | Proteins | Protein Structures | Specialty Genes | Domains and Motifs | **Epitopes** | Pathways


DOWNLOAD Shigella ADV Search HIDE

Epitope Type	Protein Name	Host Name	Assay Results
Discontinuous peptide (1)	undefined (3)	Homo sapiens (human) (13)	B cell - Negative (650)
Linear peptide (788)	ATP binding protein (2)	Macaca mulatta (rhesus macaque) (677)	B cell - Positive (137)
Non-peptidic (29)	Arginine 3rd transport system periplasmic binding protein (1)	Mus musculus (mouse) (8)	MHC - Negative (49)
	DDE_Tnp_Tn3 domain-containing protein (1)	Mus musculus 129 (6)	MHC - Positive (73)
	DNA polymerase IV (1)	Mus musculus BALB/c (31)	T cell - Negative (4)
	EAL domain-containing protein (1)	Mus musculus BALB/cByJ (3)	T cell - Positive (1)
	Flavodoxin 1 (2)	Mus musculus C57BL/6 (4)	
	Flavodoxin/ferredoxin--NADP reductase (2)	Mus musculus Swiss Webster (1)	
	GDP-L-fucose synthase (3)	Oryctolagus cuniculus (rabbit) (39)	
	GFO_IDH_MocA domain-containing protein (1)	Oryctolagus cuniculus New Zealand White (3)	
	Hypothetical bacteriophage protein (2)	Platyrrhini (New World monkey) (4)	
	Hypothetical lipoprotein (1)	Rattus norvegicus LOU/C (2)	
	IS1294 ORF (3)	cattle (Bos taurus) (3)	
	IS4 ORF (1)	human (Homo sapiens) (76)	
	IS911 ORF2 (2)	mouse (Mus musculus) (1)	
	ISSf4 ORF2 (3)		

Epitope ID	Epitope Type	Epitope Sequence	Organism	Protein Name	Total Assays	Bcell Assays	Tcell Assays	MHC Assays
<input type="checkbox"/>	117765	Linear peptide	CAQTRHLSL	Shigella flexneri	pHS-2	6	6/6	
<input type="checkbox"/>	133754	Non-peptidic	alpha-L-Rhap-(1->2)-L	Shigella flexneri	lipopolysaccharide	6	6/6	
<input type="checkbox"/>	125613	Non-peptidic	alpha-L-Rhap-(1->3)-a	Shigella flexneri	lipopolysaccharide	3	3/3	
<input type="checkbox"/>	130692	Non-peptidic	S. flexneri serotype 5a	Shigella flexneri	lipopolysaccharide	1	1/1	
<input type="checkbox"/>	125992	Linear peptide	FILSGRFSY	Shigella flexneri	glucosyl transferase	3		3/3
<input type="checkbox"/>	126021	Linear peptide	FMAAFYRVM	Shigella boydii	conserved hypothetica	3		3/3
<input type="checkbox"/>	126358	Linear peptide	IWWEQYMQY	Shigella boydii	WbsV	1		1/1
<input type="checkbox"/>	30236	Linear peptide	KDRTLIEQK	Shigella flexneri	Invasin IpaB	2	2/2	
<input type="checkbox"/>	125614	Non-peptidic	alpha-L-Rhap-(1->2)-a	Shigella flexneri	lipopolysaccharide	2	2/2	
<input type="checkbox"/>	130669	Non-peptidic	alpha-L-rhamnopyranc	Shigella dysenteriae	lipopolysaccharide	1	1/1	
<input type="checkbox"/>	133753	Non-peptidic	alpha-L-Rhap-(1->3)-b	Shigella flexneri	lipopolysaccharide	5	5/5	
<input type="checkbox"/>	16624	Linear peptide	FLGKNKLA	Shigella flexneri	Invasin IpaC	2	0/2	
<input type="checkbox"/>	1679	Linear peptide	AGSKLGLN	Shigella flexneri	Invasin IpaC	2	0/2	
<input type="checkbox"/>	17665	Linear peptide	FSAEDET	Shigella flexneri	Invasin IpaD	1	1/1	
<input type="checkbox"/>	17676	Linear peptide	FSAVLSSL	Shigella flexneri	Invasin IpaD	1	0/1	
<input type="checkbox"/>	1783	Linear peptide	AHIPLNVG	Shigella flexneri	Invasin IpaC	2	0/2	
<input type="checkbox"/>	18640	Linear peptide	GAKKTHSG	Shigella flexneri	Invasin IpaC	2	0/2	
<input type="checkbox"/>	18677	Linear peptide	GALRKNLA	Shigella flexneri	Invasin IpaC	2	0/2	
<input type="checkbox"/>	18829	Linear peptide	GAVTQVGI	Shigella flexneri	Invasin IpaC	2	0/2	
<input type="checkbox"/>	19087	Linear peptide	GDMISHR	Shigella flexneri	Invasin IpaD	1	0/1	
<input type="checkbox"/>	19473	Linear peptide	GEVVDNA	Shigella flexneri	Invasin IpaD	1	0/1	
<input type="checkbox"/>	19615	Linear peptide	GFSAEDET	Shigella flexneri	Invasin IpaD	1	0/1	

1 - 200 of 818 results

Epitope action button – Overview:


 Epitope View  
1679 | AGSKLGLN | Shigella flexneri

**Overview** Assays

 1679

<b>Epitope ID</b>	1679
<b>Epitope Type</b>	Linear peptide
<b>Epitope Sequence</b>	AGSKLGLN
<b>Organism</b>	Shigella flexneri
<b>Taxon ID</b>	623
<b>Protein Name</b>	Invasin IpaC
<b>Protein ID</b>	P18012.2
<b>Protein Accession</b>	P18012
<b>Start</b>	201
<b>End</b>	208
<b>Host Name</b>	Macaca mulatta (rhesus macaque)
<b>Total Assays</b>	2
<b>Assay Results</b>	B cell - Negative
<b>B Cell Assays</b>	0/2
<b>Comments</b>	


Epitope action button – Assays:

 Epitope View  
1679 | AGSKLGLN | Shigella flexneri

Overview **Assays**

DOWNLOAD KEYWORDS ADV Search FILTERS

<input type="checkbox"/>	Assay ID	Assay Type	Host Name	Assay Group	Assay Method	Assay Result	Assay Measurement	Assay Measurement Unit	MHC Allele	MHC Allele Class	PMID 
<input type="checkbox"/>	1269099	B cell	Macaca mulatta (rhesu	qualitative bi	ELISA	Negative					7558301
<input type="checkbox"/>	1269098	B cell	Macaca mulatta (rhesu	qualitative bi	ELISA	Negative					7558301

# Virus

## Influenza A:

Taxon View  
 Bacteria » Proteobacteria » Gammaproteobacteria » Enterobacterales » Enterobacteriaceae » **Shigella** ( 5460 Genomes )

Overview | Phylogeny | Taxonomy | Genomes | AMR Phenotypes | Sequences | Proteins | Protein Structures | Specialty Genes | Domains and Motifs | **Epitopes** | Pathways

DOWNLOAD | Shigella | ADV Search | HIDE

Epitope Type	Protein Name	Host Name	Assay Results
Discontinuous peptide (1)	undefined (3)	Homo sapiens (human) (13)	B cell - Negative (650)
Linear peptide (788)	ATP binding protein (2)	Macaca mulatta (rhesus macaque) (677)	B cell - Positive (137)
Non-peptidic (29)	Arginine 3rd transport system periplasmic binding protein (1)	Mus musculus (mouse) (8)	MHC - Negative (49)
	DDE_Tnp_Tn3 domain-containing protein (1)	Mus musculus 129 (6)	MHC - Positive (73)
	DNA polymerase IV (1)	Mus musculus BALB/c (31)	T cell - Negative (4)
	EAL domain-containing protein (1)	Mus musculus BALB/cByJ (3)	T cell - Positive (1)
	Flavodoxin 1 (2)	Mus musculus C57BL/6 (4)	
	Flavodoxin/ferredoxin--NADP reductase (2)	Mus musculus Swiss Webster (1)	
	GDP-L-fucose synthase (3)	Oryctolagus cuniculus (rabbit) (39)	
	GFO_IDH_MocA domain-containing protein (1)	Oryctolagus cuniculus New Zealand White (3)	
	Hypothetical bacteriophage protein (2)	Platyrrhini (New World monkey) (4)	
	Hypothetical lipoprotein (1)	Rattus norvegicus LOU/C (2)	
	IS1294 ORF (3)	cattle (Bos taurus) (3)	
	IS4 ORF (1)	human (Homo sapiens) (76)	
	IS911 ORF2 (2)	mouse (Mus musculus) (1)	
	ISSif4 ORF2 (3)		

<input type="checkbox"/>	Epitope ID	Epitope Type	Epitope Sequence	Organism	Protein Name	Total Assays	Bcell Assays	Tcell Assays	MHC Assays
<input type="checkbox"/>	117765	Linear peptide	CAQTDRLSLS	Shigella flexneri	pHS-2	6	6/6		
<input type="checkbox"/>	133754	Non-peptidic	alpha-L-Rhap-(1->2)-L	Shigella flexneri	lipopolysaccharide	6	6/6		
<input type="checkbox"/>	125613	Non-peptidic	alpha-L-Rhap-(1->3)-a	Shigella flexneri	lipopolysaccharide	3	3/3		
<input type="checkbox"/>	130692	Non-peptidic	S. flexneri serotype 5a	Shigella flexneri	lipopolysaccharide	1	1/1		
<input type="checkbox"/>	125992	Linear peptide	FILSGRFSY	Shigella flexneri	glucosyl transferase	3			3/3
<input type="checkbox"/>	126021	Linear peptide	FMAAFYRVM	Shigella boydii	conserved hypothetical	3			3/3
<input type="checkbox"/>	126358	Linear peptide	IWWEQYMQY	Shigella boydii	WbsV	1			1/1
<input type="checkbox"/>	30236	Linear peptide	KDRTLIEQK	Shigella flexneri	Invasin IpaB	2	2/2		
<input type="checkbox"/>	125614	Non-peptidic	alpha-L-Rhap-(1->2)-a	Shigella flexneri	lipopolysaccharide	2	2/2		
<input type="checkbox"/>	130669	Non-peptidic	alpha-L-rhamnopyranc	Shigella dysenteriae	lipopolysaccharide	1	1/1		
<input type="checkbox"/>	133753	Non-peptidic	alpha-L-Rhap-(1->3)-b	Shigella flexneri	lipopolysaccharide	5	5/5		
<input type="checkbox"/>	16624	Linear peptide	FLGKNKLA	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	1679	Linear peptide	AGSKLGLN	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	17665	Linear peptide	FSAEDET	Shigella flexneri	Invasin IpaD	1	1/1		
<input type="checkbox"/>	17676	Linear peptide	FSAVLSSL	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	1783	Linear peptide	AHIPLNNG	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	18640	Linear peptide	GAKKTHSG	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	18677	Linear peptide	GALRKNLA	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	18829	Linear peptide	GAVTQVGI	Shigella flexneri	Invasin IpaC	2	0/2		
<input type="checkbox"/>	19087	Linear peptide	GDQMISHR	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	19473	Linear peptide	GEVLDNA	Shigella flexneri	Invasin IpaD	1	0/1		
<input type="checkbox"/>	19615	Linear peptide	GFAEDET	Shigella flexneri	Invasin IpaD	1	0/1		

1 - 200 of 818 results < 1 2 3 ... 5 >

Filter: B Cell - negative

Taxon View  
 Viruses » Negamaviricota » Insthovicetes » Articulavirales » Orthomyxoviridae » Alphainfluenzavirus » **Influenza A virus** (810384 Genomes)

Overview Taxonomy Strains Genomes Proteins Protein Structures Domains and Motifs **Epitopes** Experiments Surveillance Serology

ADV Search ASSAY\_RESULTS x B cell - Negative HIDE

Epitope Type	Protein Name	Host Name	Assay Results
Discontinuous peptide (62)	Hemagglutinin (289)	Canis familiaris beagle (2)	<b>B cell - Negative (359)</b>
Discontinuous peptide on multi chain (8)	Matrix protein 1 (1)	Capra hircus (domestic goat) (1)	B cell - Positive (1241)
Linear peptide (289)	Matrix protein 2 (23)	Gallus gallus (chicken) (5)	MHC - Negative (1714)
	Neuraminidase (22)	Gallus gallus Leghorn (1)	MHC - Positive (1785)
	Non-structural protein 1 (1)	Gallus gallus White Leghorn (19)	T cell - (1)

<input type="checkbox"/>	Epitope ID	Epitope Type	Epitope Sequence	Organism	Protein Name	Total Assays	Bcell Assays	Tcell Assays	MHC Assays
<input type="checkbox"/>	176782	Discontinuous peptide	Y115, T148, G151, G152	Influenza A virus	Hemagglutinin	14	12/14		
<input type="checkbox"/>	177101	Linear peptide	IATRSKVNQGQSGRM	Influenza A virus	Hemagglutinin	8	7/8		
<input type="checkbox"/>	178126	Linear peptide	EITTHFORKRRVRDNI	Influenza A virus	RNA-directed RNA poly	1	0/1		
<input type="checkbox"/>	178134	Linear peptide	GINDRNFWRGENGRF	Influenza A virus	Nucleoprotein	1	0/1		
<input type="checkbox"/>	178135	Linear peptide	GIQAGVNRFYRTCKLV	Influenza A virus	RNA-directed RNA poly	1	0/1		
<input type="checkbox"/>	178145	Linear peptide	LFFKCIYRRFKYGLKR	Influenza A virus	Matrix protein 2	1	0/1		
<input type="checkbox"/>	178154	Linear peptide	QRTIGKQQLNKRSV	Influenza A virus	RNA-directed RNA poly	1	0/1		
<input type="checkbox"/>	178158	Linear peptide	RTRALVRTGMDPRMC	Influenza A virus	Nucleoprotein	1	0/1		
<input type="checkbox"/>	180309	Discontinuous peptide	G147, V148, S149, A150	Influenza A virus	Hemagglutinin	23	22/23		
<input type="checkbox"/>	180352	Discontinuous peptide	Y114, T147, N149, G151	Influenza A virus	Hemagglutinin	41	39/41		
<input type="checkbox"/>	180911	Linear peptide	KSTQNAIDGITNKVNS	Influenza A virus	Hemagglutinin	8	4/8		
<input type="checkbox"/>	180912	Linear peptide	KSTQNAINGITNKVNS	Influenza A virus	Hemagglutinin	4	3/4		
<input type="checkbox"/>	189120	Linear peptide	LVALENQHTIDLTDFE	Influenza A virus	Hemagglutinin	3	2/3		
<input type="checkbox"/>	190870	Linear peptide	NIPSRISIIYTVIKPGD	Influenza A virus	Hemagglutinin	3	1/3		
<input type="checkbox"/>	204001	Linear peptide	CFEFYHKCDNTCMES	Influenza A virus	Hemagglutinin	6	2/3	0/2	0/1
<input type="checkbox"/>	20723	Linear peptide	GKVTVSTKRSQQTIP	Influenza A virus	Hemagglutinin	6	5/6		
<input type="checkbox"/>	20838	Linear peptide	GLFGAIAGFIE	Influenza A virus	Hemagglutinin	23	18/19	0/4	
<input type="checkbox"/>	20839	Linear peptide	GLFGAIAGFIEG	Influenza A virus	Hemagglutinin	1	0/1		
<input type="checkbox"/>	20840	Linear peptide	GLFGAIAGFIEG + N	Influenza A virus	Hemagglutinin	2	0/2		
<input type="checkbox"/>	213203	Linear peptide	KLCKLRGVAPLHLGK	Influenza A virus	Hemagglutinin	4	1/3		0/1
<input type="checkbox"/>	21447	Linear peptide	GNIRCNICI	Influenza A virus	Hemagglutinin	1	0/1		
<input type="checkbox"/>	215815	Linear peptide	NDKHSNGTIKDRSPY	Influenza A virus	Neuraminidase	3	1/2		0/1
<input type="checkbox"/>	221495	Linear peptide	WMCSNGSLQCRICI	Influenza A virus	Hemagglutinin	3	1/2		0/1
<input type="checkbox"/>	225199	Discontinuous peptide	A198, S199, R201	Influenza A virus	Hemagglutinin	5	4/5		
<input type="checkbox"/>	225684	Linear peptide	AKRPKVRDQEGRINY	Influenza A virus	Hemagglutinin	2	0/2		
<input type="checkbox"/>	225720	Linear peptide	DYASLRSLVASSGTLE	Influenza A virus	Hemagglutinin	2	0/2		
<input type="checkbox"/>	225722	Linear peptide	ENAYVSVSSHYSRK	Influenza A virus	Hemagglutinin	4	3/4		
<input type="checkbox"/>	225724	Linear peptide	EPGDTIIFEANGLIAP	Influenza A virus	Hemagglutinin	2	1/2		
<input type="checkbox"/>	225726	Linear peptide	ESWSYIYEKPNPENG	Influenza A virus	Hemagglutinin	2	1/2		
<input type="checkbox"/>	225728	Linear peptide	FALSRFGSGIINSNAI	Influenza A virus	Hemagglutinin	2	0/2		
<input type="checkbox"/>	225729	Linear peptide	FDKLYIWGVHHPGTDI	Influenza A virus	Hemagglutinin	2	0/2		

1 - 200 of 359 results

**Epitope button:**

<input type="checkbox"/>	178145	Linear peptide	LFFKCIYRRFK	Influenza A virus	Matrix protein 2	1	0/1		
<input checked="" type="checkbox"/>	178154	Linear peptide	QRTIGKKKQRL	Influenza A virus	RNA-directed R	1	0/1		
<input type="checkbox"/>	178158	Linear peptide	RTRALVRTGM	Influenza A virus	Nucleoprotein	1	0/1		
<input type="checkbox"/>	180309	Discontinuous p	G147, V148, S1	Influenza A virus	Hemagglutinin	23	22/23		

 Epitope View  
178154 | QRTIGKKKQRLNKRSYLIRA | Influenza A virus

**Overview** Assays

 **178154**


<b>Epitope ID</b>	178154
<b>Epitope Type</b>	Linear peptide
<b>Epitope Sequence</b>	QRTIGKKKQRLNKRSYLIRA
<b>Organism</b>	Influenza A virus
<b>Taxon ID</b>	11320
<b>Protein Name</b>	RNA-directed RNA polymerase catalytic subunit
<b>Protein ID</b>	ABR31781.1
<b>Protein Accession</b>	P03431
<b>Start</b>	202
<b>End</b>	221
<b>Host Name</b>	Oryctolagus cuniculus (rabbit)
<b>Total Assays</b>	1
<b>Assay Results</b>	B cell - Negative
<b>B Cell Assays</b>	0/1
<b>Comments</b>	

 Epitope View  
178154 | QRTIGKKKQRLNKRSYLIRA | Influenza A virus

**Overview** **Assays**

 DOWNLOAD    KEYWORDS     ADV Search     FILTERS

<input type="checkbox"/>	Assay ID	Assay Type	Host Name	Assay Group	Assay Method	Assay Result	Assay Measurement	Assay Measurement Unit	MHC Allele	MHC Allele Class	PMID 
<input type="checkbox"/>	1967655	B cell	Oryctolagus cuniculus	(qualitative bi	antigen inhib	Negative					23022629