Product Annotations
PM-Pan-PXVselect-1

	Number of Epitopes from this Protein	Vaccinia virus (strain Ankara)	Vaccinia virus (strain Western Reserve)	Vaccinia virus (strain Copenhagen)	Variola virus (isolate Human/India/Ind3/1967)	Monkeypox virus (strain Zaire-96-I-16)	Monkeypox virus (strain COP-58 West Africa)
14.1k putative virion protein	2	2	2	0	0	2	2
150k A-type inclusion protein (ATI) f1	1	1	1	0	1	1	0
23k IMV membrane protein	1	1	1	1	1	1	1
24.5k Kelch-like protein	1	1	1	1	0	1	1
3 beta-hydroxysteroid dehydrogenase	1	1	1	1	0	1	1
43.4k membrane protein from fusion complex	2	2	2	2	2	2	2
54.4k ankyrin repeat protein f2	1	1	1	1	1	1	1
Alpha-amanitin resistance gene	1	1	1	1	1	1	1
Assembly protein G7	1	1	1	1	1	1	1
Chemokine binding domain-containing protein	4	4	4	4	0	4	4
Complement control protein	1	1	1	1	0	1	0
Core protein required for morphogenesis	1	1	1	1	1	1	1
Core protein VP8	1	1	1	1	1	1	1
DNA-directed RNA polymerase	2	2	2	2	2	1	2
DNA-directed RNA polymerase 147 kDa polypeptide	2	2	2	2	2	2	2
DNA-directed RNA polymerase 35 kDa subunit	1	1	1	1	1	1	1
DNA-directed RNA polymerase 7 kDa subunit	1	1	1	1	1	1	1
DNA polymerase	3	3	3	3	3	3	3
DNA polymerase processivity factor component A20	1	1	1	1	1	1	1
Early transcription factor 70 kDa subunit	2	2	2	2	2	2	2
Early transcription factor 82 kDa subunit	4	4	4	4	4	4	4
EEV membrane phosphoglycoprotein	3	3	3	3	2	1	3
EEV type 1 membrane protein	3	3	2	3	3	3	3
Expressed protein with predicted Mr of 79,700	2	2	2	2	2	2	2
Glutaredoxin-2	1	1	1	1	1	1	1
Glycosaminoglycan binding membrane protein	1	1	1	1	1	1	1
Guanylate kinase	1	1	1	1	1	0	0
Host range protein	2	2	2	2	1	2	2
IEV membrane protein	3	3	3	3	3	3	3
IEV membrane protein A36	1	1	1	1	0	1	1
IFN resistence, eIF-2a homolog	1	1	1	1	1	0	0
IMV heparin binding surface protein	2	2	2	2	2	2	2
Inhibitor of TNF-R and TLR signalling	1	1	1	1	1	1	1
Interleukin-18-binding protein	1	1	1	0	1	1	1
Intermediate transcription factor 3 large subunit	2	2	2	2	2	2	2

Intermediate transcription factor 3 small subunit	1	1	1	1	1	1	1
Late gene transcription factor VLTF-4	1	1	1	1	1	1	1
Late transcription factor 1	1	1	1	1	1	1	1
Major core protein 4a precursor	7	5	7	7	6	7	7
Major core protein 4b	1	1	1	1	1	1	1
Metalloendopeptidase	1	1	1	1	1	1	1
mRNA-capping enzyme catalytic subunit	8	7	8	7	7	8	8
mRNA-capping enzyme regulatory subunit	4	4	4	4	4	4	4
Phosphorylated IMV membrane protein	1	1	1	1	1	1	1
Poly(A) polymerase catalytic subunit	1	1	1	1	1	1	1
Primase D5	3	3	3	3	3	3	3
Profilin	1	1	1	1	1	1	1
Protein A11	1	1	1	1	1	1	1
Protein A51	1	1	1	1	1	1	1
Protein E6	1	1	1	1	1	1	1
Protein F11	2	2	2	2	1	2	2
Protein I3	2	1	2	2	2	2	2
Protein N2	1	0	1	1	1	1	1
Protein tyrosine/serin phosphatase	1	1	1	1	1	1	1
Putative 27.6k protein	1	1	1	1	1	1	1
Putative ATPase	1	1	1	1	1	1	1
Putative late transcription elongation factor	1	1	1	1	0	1	1
Putative viral membrane formation protein	3	3	3	3	3	3	3
Ribonucleoside-diphosphate reductase	2	2	2	2	2	2	2
Ribonucleoside-diphosphate reductase small chain	1	1	1	1	0	1	1
RNA-binding protein E3	1	0	1	0	0	1	1
RNA helicase NPH-II	3	3	3	3	2	3	2
Scaffold protein D13	1	1	1	1	1	1	1
Secreted interferon gamma receptor	3	3	3	3	1	3	3
Serin protease inhibitor (Serpin) SPI-1	1	1	1	1	1	1	1
Soluble and cell surface interferon-alpha/beta receptor	1	1	1	1	0	1	1
Telomere-binding protein I1	3	3	3	3	3	3	3
Thymidylate kinase	1	1	1	1	1	1	1
Topoisomerase II	1	1	1	1	1	1	1
Transcription termination factor	1	1	1	1	1	1	1
Truncated ankyrin repeat protein B25	1	0	1	1	0	1	1
Uncharacterized protein CVA064	2	2	2	2	2	2	2
Uncharacterized protein CVA081	2	2	2	2	2	2	2
TOTAL	127	120	126	121	104	122	122
Source		uniprot-proteome_UP000136916.fasta	uniprot-proteome_UP000000344.fasta	uniprot-proteome_UP000008269.fasta	uniprot-proteome_UP000002060.fasta	uniprot-proteome_UP000101269.fasta	NCBI AAX09272