

## Polyclonal Antibody to Smallpox B5R (200-214) - Purified

<b>Catalog No.:</b>	AP22221PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	Vaccinia virus, a member of Poxviridae family, is a dsDNA enveloped virus. It consists of 4 types of virion stages among which extracellular enveloped virus (EEV) is critical for cell-to-cell and long range viral infection. B5R is an EEV-specific Type I membrane glycoprotein essential for EEV formation. It consists of a large ectodomain containing regions similar to SCR domains of complement regulatory proteins followed by a transmembrane region and a cytoplasmic tail. B5R is essential for efficient wrapping of IMV, actin tail formation, normal plaque size, virus virulence, incorporation of the protein into EEV and for EEV formation.
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	Amino acids 200-214 of the B5R protein <b>AA Sequence:</b> GSDVDKKDTHGNTPF <b>Remarks:</b> The amino acid sequence used as immunogen is 100% homologous in human and camel, and 93% in rabbit, monkey and cow.
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Protein G Chromatography <b>Buffer System:</b> PBS containing 0.2% gelatin and 0.05% sodium azide
<b>Applications:</b>	Western blot: 0.1-1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Smallpox B5R (200-214).
<b>Species Reactivity:</b>	<b>Tested:</b> Camel, Human <b>Expected from sequence similarity:</b> Cow, New World monkey, Rabbit
<b>Storage:</b>	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Massung, R.F., Loparev, V.N., Knight, J.C., Totmenin, A.V., Chizhikov, V.E., Parsons, J.M., Safronov, P.F., Gutorov, V.V., Shchelkunov, S.N. and Esposito, J.J. Terminal region sequence variations in variola virus DNA. <i>Virology</i> 221 (2), 291-300 (1996).

Pictures:

Western blot analysis of B5R in (A) recombinant fusion protein containing amino acids 200-214 and (B) fusion partner without these amino acids, using AP22221PU-N at 0.1 µg/ml.

