

Mouse Vaccinia Virus B5R Monoclonal Antibody

Vaccinia Virus B5R (Smallpox, VACV, VV)

CATALOG # AAA24091	HOST Mouse	APPLICATIONS Western Blot
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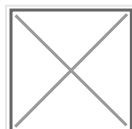
PRODUCT SYNONYMS

Vaccinia Virus B5R; Monoclonal Antibody; Vaccinia Virus B5R (Smallpox; VACV; VV); Anti -Vaccinia Virus B5R (Smallpox; anti-Vaccinia Virus B5R antibody)

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	11E345 (1J2F3)
Specificity	Recognizes variola virus B5R protein.
Form/Format	Supplied as a liquid in PBS, 0.05% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Vaccinia Virus B5R antibody	WB (Western Blot)
Application Notes	WB: 1-3ug/ml Optimal dilutions to be determined by the researcher. Other applications not tested.
Grade	Affinity Purified
Purity	Purified by Protein G affinity chromatography
Positive Control	A partial recombinant fusion protein
Immunogen	Synthetic peptide corresponding to aa33-47, IQEYNLIRTYKKVDK of B5R protein. <i>Species Sequence Homology: human, chimpanzee, canine, rat, mouse, chicken, zebrafish; 100%, Xenopus, 92%.</i>
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western Blot analysis of B5R using AAA24091 (0.2ug/ml): Lane A: recombinant fusion protein containing aa33-47 Lane B: fusion partner without these amino acids

ADDITIONAL INFORMATION

Related Product Information for anti-Vaccinia Virus B5R antibody	B5R, a 561aa membrane protein containing ankyrin repeats that mediate protein-protein interactions and is related to the regulators of complement activation (RCA) superfamily. It consists of four short consensus repeats (SCRs) and transmembrane anchor region or the CT (cytoplasmic tail). Its transmembrane domain is the major determinant for targeting the B5R protein to the outer membrane of EEV (extracellular enveloped virus) and for supporting EEV formation, thus playing an important role in the process of virus envelopment and release. It may also be involved in viral evasion from host immune responses. 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.
Product Categories/Family for anti-Vaccinia Virus B5R antibody	Antibodies; Abs to Infectious Disease

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vaccinia-virus-b5r-antibody-clone-11e345-1j2f3-western-blot-elisa/24091>