



## Smallpox B5R

### Catalog number

S1014-58V2

### Supplier

United States Biological

B5R, a 561 amino acid 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.

### Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

### Recommended Dilution

Western Blot: 0.1-1.0ug/ml  
Optimal dilutions to be determined by the researcher.

### Storage and Stability

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 at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

### Immunogen

Synthetic peptide corresponding to aa33-47, IQEYNLIRTYKKVDK, of B5R protein.

### Formulation

Supplied as a liquid in PBS, 0.2% gelatin, 0.05% sodium azide.

### Purity

Purified by Protein G affinity chromatography.

### Specificity

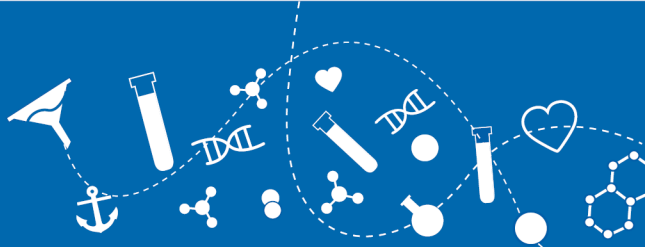
Recognizes Smallpox B5R. Species Crossreactivity: human and bovine. Species sequence homology: camel (93%), monkey and rabbit (80%).

### Product Type

Pab

### Isotype

IgG



**Grade**

Affinity Purified

**Applications**

E WB

**Crossreactivity**

Bo Hu

**Storage**

-20°C