

Anti-VSV-G-tag Antibody [E0-G7]

M1510-10



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Species independent
Applications:	WB, IP, ELISA
Clone number:	E0-G7

Description: Vesicular Stomatitis Virus (VSV) is an arbovirus in the family Rhabdoviridae, order Mononegavirales. VSV infects insects and mammals. The genome of VSV is a negative-sense RNA strand that encodes five major proteins: glycoprotein (G), matrix protein (M), nucleoprotein (NC), large protein (L) and phosphoprotein. The L protein and the phosphoprotein combine to catalyze the replication of VSV's mRNA. After endocytosis, the G protein facilitates VSV's entry into the cell by controlling virus attachment to the host cell as well as fusion of the viral envelope with the endosomal membrane. Transport of the G protein from the endoplasmic reticulum (ER) to the plasma membrane (PM) is temperature sensitive. Because of this property, VSV is commonly used in research labs to study the properties of viruses in the Rhabdoviridae family, and to study viral evolution.

Immunogen: Synthetic peptide (YTDIEMNRLGKC).

Positive control: Recombinant VSV-G-tag protein.

Recommended Dilutions:

WB 1:1,000-1:20,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

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Images

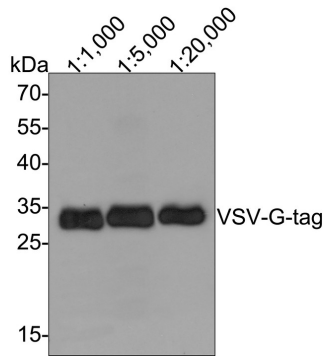


Fig1: Western blot analysis of VSV-G-tag on recombinant VSV-G-tag protein with Mouse anti-VSV-G-tag antibody (M1510-10) at different dilutions.

Lysates/proteins at 50 ng/Lane.

Exposure time: 15 seconds;

12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (M1510-10) at different dilutions was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:150,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Niemel EH et al. Global analysis of the nuclear processing of transcripts with unspliced U12-type introns by the exosome. *Nucleic Acids Res* 42:7358-69 (2014).
2. J ger W et al. Ultrasound-guided intramural inoculation of orthotopic bladder cancer xenografts: a novel high-precision approach. *PLoS One* 8:e59536 (2013).

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