

Anti-VSV-G [1E9F9] Standard Size Ab01402-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 1E9F9

Alternative Name(s) of Target: VSV GP; vesicular stomatitis virus glycoprotein; glycoprotein; Glycoprotein; vcv-glycoprotein; vsv; vesicular stomatitis virus; 1e9F9; I14; G; G protein; G-protein; vesicular stomatitis Indiana virus; vesicular stomatitis Indiana virus Glycoprotein; VSV-Ind G; IE9F9

UniProt Accession Number of Target Protein:

Published Application(s): WB, IF

Published Species Reactivity: Vesicular stomatitis Indiana virus

Immunogen: The antibody was raised by immunizing mice with VSV.

Specificity: The 1E9F9 (I14) monoclonal antibody reacts with folded VSV-G protein from the Indiana serotype, and has been successfully used in experiments with VSV-G TS045.

Application Notes: IF: 1E9F9 anti-VCV-G antibody was used to detect cell-surface levels of VSV G-protein in studies on the rate of cellular transport in amyotrophic lateral sclerosis cellular model (Genevini et al., 2014). IF and WT: Yonemura et al. (2016) successfully used 1E9F9 antibody to perform immunofluorescence staining of HeLa cells which had been previously transfected with VSVG-EYFP and detected VCVG protein on Western blots. IF: In folding experiments, 1E9F9 antibody stained VSVG in HEK293 cells transfected with VSVG-GFP (Tam et al., 2018).

Antibody First Published in: Lefrancois and Lyles The interaction of antibody with the major surface glycoprotein of vesicular stomatitis virus. I. Analysis of neutralizing epitopes with monoclonal antibodies. Virology. 1982 Aug;121(1):157-67. [PMID:18638751](#)

Note on publication: The article describes the method of generation of various antibodies against surface glycoprotein of two serotypes of the VSV: Indiana and New Jersey. Among them there is the 1E9F9 (I14) antibody. The paper further characterises those antibodies and analyses their epitopes in relation to one another.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.