

## Anti-VSV-G [1E9F9] Bulk Size Ab01402-10.0-BT

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, 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; 1E9F9

**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:** 1 mg Purified antibody in bulk size.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.