Anti-VSV-G [1E9F9] Standard Size Ab01402-2.0

Isotype and Format: Mouse IgG2a, Kappa
Clone Number: 1E9F9
Alternative Name(s) of Target: VSV GP; vesicular stomatitis virus glycoprotein; glycoprotein; Glycoprotein; vcv-glycoprotein; vsv; vesicular stomatitis virus; Ie9F9; 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 IE9F9 (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 prevoiusly tranfected 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 IE9F9 (I14) antibody. The paper further characterises those antbodies 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 4ºC for up to 3 months. For longer storage, aliquot and store at -

20ºC.

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.