

Anti-VSV-G [8G5F11] Bulk Size Ab01401-49.0-BT

This antibody does not have a J-chain.

This chimeric ferret 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: Ferret IgM

Clone Number: 8G5F11

Alternative Name(s) of Target: vesicular stomatitis virus glycoprotein; glycoprotein; Glycoprotein; vcv-glycoprotein; vsv; vesicular stomatitis virus; I1; G; G protein; G-protein; vesicular stomatitis Indiana virus; vesicular stomatitis Indiana virus Glycoprotein; VSV-Ind G

UniProt Accession Number of Target Protein:

Published Application(s): flow cytometry, WB, IF

Published Species Reactivity: Vesicular stomatitis Indiana virus

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

Specificity: This antibody recognises vesicular stomatitis Indiana virus Glycoprotein (VSV-Ind G) (also shows activity against VSV-G pseudotyped lentiviruses).

Application Notes: FC: The antibody was successfully used in flow cytometry with HEK-293T cells transfected with the G protein gene (Nikolic et al., 2018). IF: 8G5F11 antibody was used to stain cell-surface VSVG proteins in HeLa cells which had been previously transfected with VSVG-EYFP in an experiment on cellular transport inhibition (Yonemura et al., 2016). IF: Xing et al. (2016) detected VSVG in multiple immunofluorescence experiments using 8G5F11 antibody.

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 8G5F11 (I1) antibody. The paper further characterises those antibodies and analyses their epitopes in relation to one another.

Product Form

Size:

500 µg Purified antibody in bulk size.

Purification: Affinity Purified using a recombinant lectin column

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.