

## Anti-VSV-G [8G5F11] Standard Size Ab01401-48.1

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 IgG1

**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:** 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.