



Anti-mouse IGSF4A Antibody

ORDERING INFORMATION

Catalog Number: AF1459

Lot Number: KZT03

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse IGSF4A

Immunogen: NS0-derived rmlGSF4A isoform c (aa 42 - 376)

Ig Type: goat IgG

Applications: Western blot
Direct ELISA

Background

IGSF4A, also known as Nectin-like 2 TSLC1, SgIGSF and SynCAM, is an immunoglobulin (Ig)-like intercellular adhesion molecule that mediates homophilic or heterophilic interactions independently of Ca²⁺. It is reported to function in cell adhesion, tumor suppression of non-small cell lung cancer, and synaptic formation of neural cells. Mouse IGSF4A shares 97% amino acid identity with the human protein.

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse IgG Superfamily Protein 4A, isoform c (rmlGSF4A; aa 42 - 376). Mouse IGSF4A specific IgG was purified by mouse IGSF4A affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize mouse IGSF4A in direct ELISAs and Western blots.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse IGSF4A. The detection limit for rmlGSF4A is approximately 2 ng/lane under non-reducing and reducing conditions.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse IGSF4A. The detection limit for rmlGSF4A is approximately 3 ng/well.

Optimal dilutions should be determined by each laboratory for each application.