

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IGSF8/CD316 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human IGSF8 is observed and less than 1% cross-reactivity with recombinant mouse IGSF4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IGSF8/CD316 Ala25-Thr577 Accession # NP_536344
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

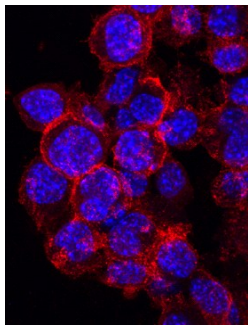
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse IGSF8
Flow Cytometry	0.25 µg/10 ⁶ cells	Neuro-2A mouse neuroblastoma cell line
Immunocytochemistry	5-15 µg/mL	See Below

DATA

Immunocytochemistry



IGSF8/CD316 in Neuro-2A Mouse Cell Line.
IGSF8/CD316 was detected in immersion fixed Neuro-2A mouse neuroblastoma cell line using Goat Anti-Mouse IGSF8/CD316 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF3117) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Streptavidin (red; Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to cell surfaces. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IGSF8, also known as PGRL (PG regulatory-like protein), KASP (KAI/CD82 associated protein) and EWI-2 (Glu-Trp-Ile motif 2), is a widely expressed transmembrane adhesion protein. It interacts with β1 Integrins and various tetraspanins including CD9, CD81 and CD82. IGSF8 contains four extracellular Ig-like domains. IGSF8 overexpression in transformed cells inhibits cell migration and suppresses cancer metastatic potential. Mouse and human IGSF8 share 90% amino acid sequence identity.