

DESCRIPTION

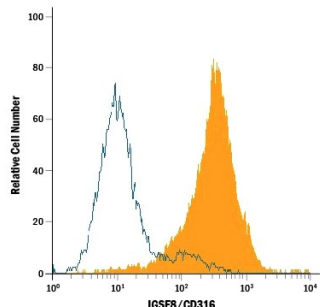
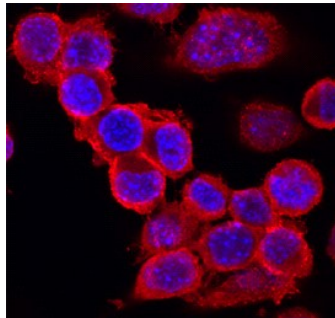
Species Reactivity	Mouse
Specificity	Detects mouse IGSF8/CD316 in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human IGSF8 is observed and less than 1% cross-reactivity with recombinant mouse IGSF4 is observed.
Source	Polyclonal Goat IgG
Purification	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 Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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/CD316
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
Immunocytochemistry	5-15 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

<p>Flow Cytometry</p>  <p>Detection of IGSF8/CD316 in Neuro-2A Mouse Cell Line by Flow Cytometry. Neuro-2A mouse neuroblastoma cell line was stained with Goat Anti-Mouse IGSF8/CD316 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3117, filled histogram) or isotype control antibody (Catalog # AB-108-C, open histogram), followed by Phycoerythrin-conjugated Anti-Goat IgG Secondary Antibody (Catalog # F0107).</p>	<p>Immunocytochemistry</p>  <p>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 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3117) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cell surfaces. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.</p>
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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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
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.