

**DESCRIPTION**

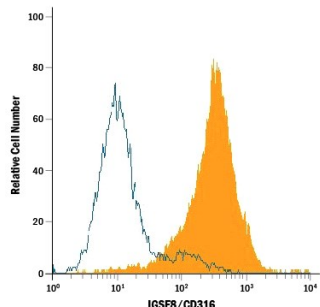
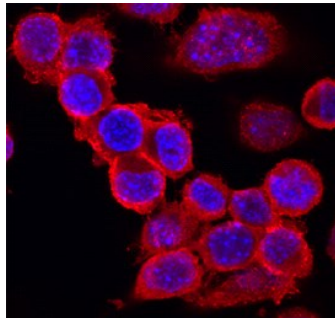
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse IGSF8/CD316 in direct ELISAs and Western blots. In direct ELISAs, approximately 15% cross-reactivity with recombinant human IGSF8 is observed and less than 1% cross-reactivity with recombinant mouse IGSF4 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse IGSF8/CD316 Ala25-Thr577 Accession # NP_536344
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	Recombinant Mouse IGSF8/CD316
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>Immunocytochemistry</b>	5-15 µg/mL	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

**DATA**

<p><b>Flow Cytometry</b></p>  <p><b>Detection of IGSF8/CD316 in Neuro-2A Mouse Cell Line by Flow Cytometry.</b> 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><b>Immunocytochemistry</b></p>  <p><b>IGSF8/CD316 in Neuro-2A Mouse Cell Line.</b> 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 <a href="#">Fluorescent ICC Staining of Cells on Coverslips</a>.</p>
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**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.