

**DESCRIPTION**

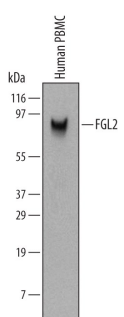
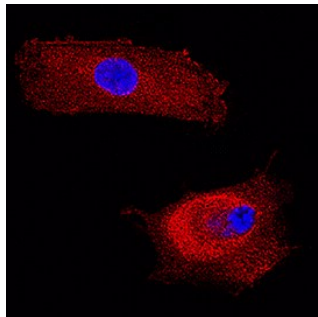
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human FGL2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) Angiopoietin-1, rhAngiopoietin-2, rhAngiopoietin-like 2, and recombinant mouse Angiopoietin-3 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 532223
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human FGL2 Asn24-Pro439 Accession # Q14314
<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>	2 µg/mL	See Below
<b>Immunocytochemistry</b>	3-25 µg/mL	See Below

**DATA**

<p><b>Western Blot</b></p>  <p><b>Detection of Human FGL2 by Western Blot.</b> Western blot shows lysates of human peripheral blood mononuclear cells. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human FGL2 Monoclonal Antibody (Catalog # MAB5974) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for FGL2 at approximately 70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p><b>Immunocytochemistry</b></p>  <p><b>FGL2 in WI-38 Human Cell Line.</b> FGL2 was detected in immersion fixed WI-38 human fetal lung fibroblast cell line using Mouse Anti-Human FGL2 Monoclonal Antibody (Catalog # MAB5974) at 3 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. 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 0.5 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**

FGL2 (fibrinogen-like protein 2), also called fibroleukin, is a 64-70 kDa secreted glycoprotein of the fibrinogen-like superfamily. It is produced by macrophages and endothelial cells in response to inflammatory mediators, T cells and fetal trophoblast cells. FGL2 has prothrombinase activity, promotes immune-mediated thrombosis and functions in transplant rejection and infection-related abortion. Mature human FGL2 gene is a 416 amino acid (aa) protein with a coiled-coil region and a fibronectin C-terminal homology domain or FRED. Coiled-coil dimers are covalently linked to form a tetrameric 260-280 aa FGL2 complex. Mature human FGL2 shares 79% aa identity with mouse FGL2.