

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human FAM3B in direct ELISAs and Western blots. In direct ELISAs and Western blots, 75-100% cross-reactivity with recombinant mouse FAM3B and no cross-reactivity with recombinant human (rh) FAM3A, rhFAM3C, or rhFAM3D is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 365505
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human FAM3B isoform B Glu30-Ser235 Accession # NP_478066
<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 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human FAM3B

**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**

FAM3B, also known as Pancreatic-derived factor (PANDER), is a secreted 23 kDa glycoprotein that belongs to the cytokine like-protein family. Members of this family share a four-helix bundle secondary structure similar to that found in many cytokines. As a result of alternative splicing and alternate signal peptide cleavage sites, multiple isoforms are known. FAM3B is expressed by pancreatic islet α and β-cells, reproductive epithelium and a subset of neurons. Recombinant FAM3B has been shown to induce β-cell apoptosis. The amino acid sequence of mature human FAM3B is 80% identical to that of mature mouse FAM3B.