

DESCRIPTION

Species Reactivity	Human
Specificity	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.
Source	Monoclonal Mouse IgG _{2B} Clone # 365505
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human FAM3B isoform B Glu30-Ser235 Accession # NP_478066
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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