

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Marapsin/Pancreasin in direct ELISAs and Western blots. Reacts with an epitope within the mature chain. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse Marapsin is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 243305
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Marapsin/Pancreasin Ala23-Lys290 Accession # Q9BQR3
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.
Immunoprecipitation	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

Marapsin, pancreasin, and channel-activating protease 2 (CAP-2) are different names for the same serine protease that is expressed strongly in the pancreas (1, 2). The protein is synthesized with a signal peptide (amino acids 1-22), a pro peptide (aa 23-34) and a mature chain (aa 35-290) corresponding to the serine protease domain.

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