

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Trypsin 3/PRSS3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, weak cross-reactivity with recombinant human (rh) Trypsin 3 is observed and no cross-reactivity with rhTrypsin 1 or rhTrypsin 2 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 419910
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Trypsin 3/PRSS3 Phe16-Asn246 Accession # NP_035775
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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

Trypsin 3, encoded by the PRSS3 gene and also known as mesotrypsin is a serine protease and is one of three pancreatic Trypsins. It constitutes less than 10% of the total Trypsin content in normal pancreatic juice. Trypsin 3 is activated by enterokinase cleavage of the 8 aa pro region and secreted into the duodenum lumen. Trypsin 3 is highly resistance to polypeptide Trypsin inhibitors, and may degrade them in foods to facilitate digestion. The 223 amino acid mature mouse Trypsin 3 shares 78% and 96% aa identity with human and rat Trypsin 3, respectively.

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