

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Trypsase β -1/MCP-7/Mcpt7 in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) Trypsase α and rhTrypsase β -2 is observed and no cross-reactivity with recombinant mouse MCPT-1 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 263019
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Trypsase β -1/MCP-7/Mcpt7 Ile29-Phe273 Accession # Q02844
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Trypsase β -1 is a serine protease with trypsin-like activity, which is sometimes also referred to as Mast Cell Protease 7 (MCP-7 or Mcpt7) (1). It is stored in the secretory granules of mouse mast cells (2). It exhibits anticoagulant activity due to its ability to degrade fibrinogen in the presence of the diverse array of protease inhibitors in plasma (3). The deduced amino acid (aa) sequence for mouse Trypsase β -1 consists of a signal peptide (aa 1-18), a pro region (aa 19-28) and the mature chain (aa 29-273).

PRODUCT SPECIFIC NOTICES

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