

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Cathepsin 7/Cathepsin 1 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human Cathepsin O, S, or V, or recombinant mouse Cathepsin B, C, H, L, or Z is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 228905
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Cathepsin 7/Cathepsin 1 Ala18-Leu331 Accession # Q91ZF2
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

Mouse Cathepsin 7, also known as Cathepsin 1, is a cysteine protease encoded by one of the genes in the cluster on mouse chromosome 13 that is absent from the human genome. It is expressed only in the placenta, suggesting a role of the gene cluster in formation and development of murine placenta.

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