

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Cystatin/Stefin Homolog in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) Cystatin D, F, S, SA, SN, recombinant mouse (rm) Cystatin A, B, C, E/M, rmFetuin A, rhFetuin
Source	Monoclonal Rat IgG _{2A} Clone # 263423
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Cystatin/Stefin Homolog Ile2-Phe97 Accession # P56567
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

RIKEN cDNA clone 2010005H15 (Nucleotide Accession # AK008122) predicted an intracellular protein, which was similar to members of the cystatin superfamily (1-4). The protein is designated here as mouse Cystatin/Stefin Homolog 2 (Cystatin H2) because the deduced amino acid sequence showed the highest identity (75% over the entire length) to that of mouse cystatin/stefin homolog (SwissProt Accession # P56567).

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