



20150116ML

Anti-Mouse Cathepsin-7 (#4A12)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M312
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with mouse recombinant protein of Cathepsin-7.

Target Background

Synonyms (Target):	Cts7; CTS1; Epcs24; Epcs71; AA408230; AA408952
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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.

Database References Target

Protein RefSeq:	NP_062412
Uniprot ID:	Q91ZF2
mRNA RefSeq:	NM_019539

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#4A12)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse Cathepsin-7
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects mouse Cathepsin-7 in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

WB: 1:500-1000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!