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Product Information

Recombinant Anti-Human ctss Antibody

Cat. No.: **MOM-18301**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody binds selectively to Human CTSS, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Cathepsin family of proteases contains several diverse classes of enzymes. The cysteine protease class comprises cathepsin B, H, K, L, O, and S. The aspartyl protease class contains cathepsin D and E. Cathepsin G belongs to the serine protease class. Cathepsins are involved in various cellular events such as peptide biosynthesis, protein degradation, and apoptosis. Cathepsin S has been shown to be able to function as an elastase over a broad pH range in alveolar macrophages. Transcript variants utilizing alternative polyadenylation signals exist for this gene.

Specific Activity

Tested positive against native antigen.

Target

CTSS

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut and most other immunological methods.

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

CTSS cathepsin S [Homo sapiens]

Official Symbol

CTSS

Synonyms

CTSS; cathepsin S; MGC3886; FLJ50259

Gene ID

1520

mRNA Refseq

NM_001199739

Protein Refseq

NP_001186668

MIM

116845

UniProt ID

P25774

Chromosome Location

1q21

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Endosomal/Vacuolar pathway, organism-specific biosystem;

Function

cysteine-type endopeptidase activity; peptidase activity;

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