CTSE Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CTSE, Monoclonal Antibody
Full Product Name	CTSE (Cathepsin E, CATE) (AP)
Product Gene Name	anti-CTSE antibody
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	2D5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CTSE.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri
Molecular Weight	39,553 Da
Immunogen	Full length recombinant corresponding to aa18-396 from human CTSE (AAH42537) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	QGSLHRVPLRRHPTLKKKLRARSQLSEFWKSHNLDMIQFTESCSMDQSAKEPLINYLDMEYFGTISIGSPPQNFTVIFDTGSSNLWVPSVYCTSPACKTHS
Conjugate	AP
Product Categories/Family for anti-CTSE antibody	Antibodies; Cathepsin
Applications Tested/Suitable for anti-CTSE antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CTSE antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CTSE antibody	The protein encoded by this gene is a gastric aspartyl protease that functions as a disulfide-linked homodimer. This protease, which is a member of the to be an oncofetal antigen. Transcript variants utilizing alternative polyadenylation signals and two transcript variants encoding different isoforms exist f
Other Notes	Small volumes of anti-CTSE antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess

Searchable Terms for CTSE purchase	MBS6130804 is an antibody targeting CTSE. Also known as CTSE (Cathepsin E, CATE) (AP). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-CTSE antibody
Western Blot detection against Immunogen (67.43kD).



Testing Data of anti-CTSE antibody
Detection limit for recombinant GST tagged CTSE is 1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CTSE. It may not necessarily be applicable to this product.

NCBI GI #	27502798
NCBI GeneID	1510
NCBI Accession #	BC042537
NCBI Related Accession #	AAH42537
UniProt Secondary Accession #	Q5TZ01; Q5TZ02; Q9NY58; Q9UCE3; Q9UCE4
UniProt Related Accession #	P14091
NCBI Official Full Name	Homo sapiens cathepsin E, mRNA
NCBI Official Synonym Full Names	cathepsin E
NCBI Official Symbol	CTSE
NCBI Official Synonym Symbols	CATE
Protein Family	Cathepsin
NCBI Protein Information	cathepsin E
NCBI Summary for CTSE	This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. [provided by RefSeq, Nov 2015]
Research Articles on CTSE	**1.** Cathepsin E, mitochondrial fission, and caspase activation/apoptosis are linked in the pathogenesis of pulmonary emphysema.
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