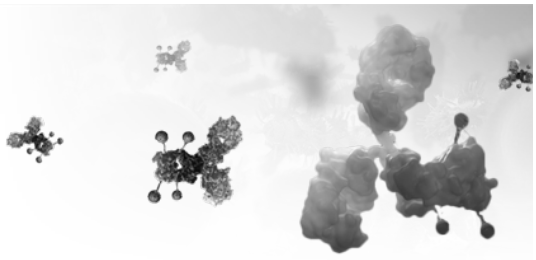

CTSS peptide (DAG-P1326)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
Purity	> 90 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Buffer	Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Thimerosal
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	CTSS cathepsin S [Homo sapiens (human)]
Official Symbol	CTSS
Synonyms	CTSS; cathepsin S;
Entrez Gene ID	1520
mRNA Refseq	NM_001199739.1

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Protein Refseq	NP_001186668.1
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; Assembly of collagen fibrils and other multimeric structures, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Collagen formation, organism-specific biosystem; Degradation of the extracell
Function	collagen binding; cysteine-type endopeptidase activity; fibronectin binding; laminin binding; proteoglycan binding;

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