

CTSS Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP7382c

Specification

CTSS Antibody (Center) Blocking Peptide - Product Information

Primary Accession

P25774

CTSS Antibody (Center) Blocking Peptide - Additional Information

Gene ID 1520

Other Names

Cathepsin S, CTSS

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CTSS Antibody (Center) Blocking Peptide - Protein Information

Name CTSS

Function

Thiol protease. Key protease responsible for the removal of the invariant chain from MHC class II molecules and MHC class II antigen presentation (PubMed:30612035). The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L.

Cellular Location

Lysosome. Secreted. Cytoplasmic vesicle, phagosome

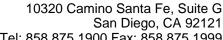
CTSS Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

Blocking Peptides

CTSS Antibody (Center) Blocking Peptide - Images

CTSS Antibody (Center) Blocking Peptide - Background





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The protein CTSS, 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 protein can function as an elastase over a broad pH range in alveolar macrophages.

CTSS Antibody (Center) Blocking Peptide - References

Lindahl, C., Cancer Genomics Proteomics 6 (3), 149-159 (2009) Bunatova, K., Int. J. Biol. Markers 24 (1), 47-51 (2009)