

**CTSS Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7382c****Specification**

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**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:<a href="http://www.uniprot.org/citations/30612035" target="\_blank">30612035</a>). 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**

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)