

Cathepsin S Blocking Peptide
Catalog # PBV10154b**Specification**

Cathepsin S Blocking Peptide - Product Information

Primary Accession	P25774
Gene ID	1520
Calculated MW	37496

Cathepsin S Blocking Peptide - Additional Information**Gene ID** 1520**Application & Usage**

The peptide is used for blocking the antibody activity of Cathepsin S. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Cathepsin S, 3.4.22.27, CTSS

Target/Specificity

Cathepsin S

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Cathepsin S Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Cathepsin S 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](http://www.uniprot.org/citations/30612035)). The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L.

Cellular Location

Lysosome. Secreted. Cytoplasmic vesicle, phagosome

Cathepsin S Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cathepsin S Blocking Peptide - Images