

CTSW Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant CTSW.****Catalog # AT1682a****Specification**

CTSW Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	P56202
Other Accession	BC048255
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	42120

CTSW Antibody (monoclonal) (M01) - Additional Information**Gene ID** 1521**Other Names**

Cathepsin W, 3422-, Lymphopain, CTSW

Target/Specificity

CTSW (AAH48255, 22 a.a. ~ 376 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

CTSW Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

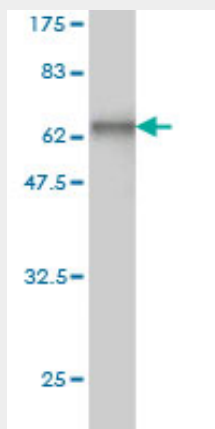
CTSW Antibody (monoclonal) (M01) - Protocols

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

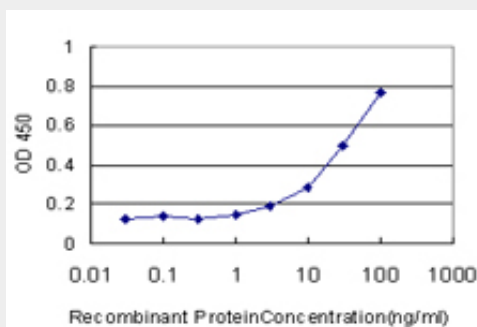
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CTSW Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (64.79 KDa) .



Detection limit for recombinant GST tagged CTSW is approximately 3ng/ml as a capture antibody.

CTSW Antibody (monoclonal) (M01) - Background

The protein encoded by this gene, a member of the peptidase C1 family, is a cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2.

CTSW Antibody (monoclonal) (M01) - References

Cathepsin W expressed exclusively in CD8+ T cells and NK cells, is secreted during target cell killing but is not essential for cytotoxicity in human CTLs. Stoeckle C, et al. Exp Hematol, 2009 Feb. PMID 19100676. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Identification of a novel isoform predominantly expressed in gastric tissue and a triple-base pair polymorphism of the cathepsin W gene. Meinhardt C, et al. Biochem Biophys Res Commun, 2004 Sep 3. PMID 15358123. Signal peptide prediction based on analysis of experimentally verified cleavage sites. Zhang Z, et al. Protein Sci, 2004 Oct. PMID 15340161. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.