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# CTSW Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CTSW.
Catalog # AT1682a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P56202 |
| **Other Accession** | BC048255 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a Kappa |
| **Clone Names** | 4A8 |
| **Calculated MW** | 42120 |

## Additional Information

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|---|---|
| **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. |

## 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.

## References

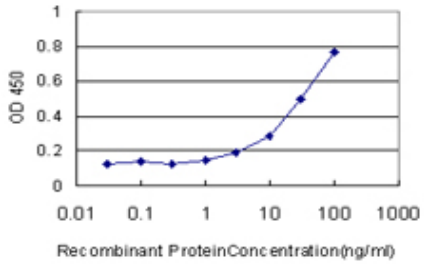
Cathepsin W expressed exclusively in CD8+ T cells and NK cells, is secreted during target cell killing but is not essential for cytotoxicity in human CTLs. Stoeckle C, et al. Exp Hematol, 2009 Feb. PMID 19100676.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene 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.

## 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.