

**ARG57024**  
anti-Cathepsin S antibody [1F9]Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [1F9] recognizes Cathepsin S
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1F9
Isotype	IgG2b, kappa
Target Name	Cathepsin S
Species	Human
Immunogen	Recombinant fragment around aa. 17-331 of Human Cathepsin S.
Conjugation	Un-conjugated
Alternate Names	Cathepsin S; EC 3.4.22.27

### Application Instructions

Application table	Application	Dilution
	WB	1:250 - 1:500

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

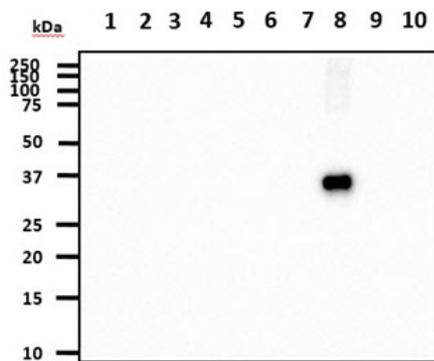
### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

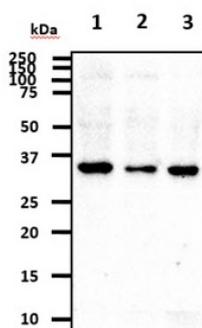
Database links	<a href="#">GeneID: 1520 Human</a> <a href="#">Swiss-port # P25774 Human</a>
Gene Symbol	CTSS
Gene Full Name	cathepsin S
Background	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
Function	Thiol protease. Key protease responsible for the removal of the invariant chain from MHC class II molecules. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L and cathepsin N. [UniProt]
Calculated Mw	37 kDa

## Images



ARG57024 anti-Cathepsin S antibody [1F9] WB image

Western blot: 20 ng of Recombinant Human 1) CTSSB, 2) CTSD, 3) CTSE, 4) CTSF, 5) CTSH, 6) CTSK, 7) CTSL, 8) CTSS, 9) CTSW, and 10) CTSZ stained with ARG57024 anti-Cathepsin S antibody [1F9] at 1:1000.



ARG57024 anti-Cathepsin S antibody [1F9] WB image

Western blot: 40 µg of 1) HeLa cell lysate, 2) U87MG cell lysate, 3) A549 cell lysate stained with ARG57024 anti-Cathepsin S antibody [1F9] at 1:500.