

## Product datasheet for **AM20591PU-N**

### Cathepsin D (CTSD) Mouse Monoclonal Antibody [Clone ID: CP-D13]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CP-D13
Applications:	IHC, IP, WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml. Immunohistochemistry on paraffin sections: 1 - 2 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human liver cathepsin D.
Specificity:	This antibody reacts to Cathepsin D.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cathepsin D
Database Link:	<a href="#">Entrez Gene 1509 Human P07339</a>



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<b>Background:</b>	Cathepsin D is one of the lysosomal proteinases. It is ubiquitously expressed and is involved in proteolytic degradation, cell invasion, and apoptosis. Cathepsin D is mapped to chromosome 11. The amino acid sequence predicted from the cDNA sequence shows that human cathepsin D consists of 412 amino acids with 20 and 44 amino acids in a pre-and a prosegment, respectively.
<b>Synonyms:</b>	CTSD, CPSD
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Protein Pathways:</b>	Lysosome