

Datasheet: VMA00581

**BATCH NUMBER 161202**

<b>Description:</b>	MOUSE ANTI CATHEPSIN D
<b>Specificity:</b>	CATHEPSIN D
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites
<b>Buffer Solution</b>	HEPES buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin <50% Glycerol
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human protein cathepsin D

### External Database Links

**UniProt:**

[P07339](https://www.uniprot.org/entry/P07339)

[Related reagents](#)

**Entrez Gene:**

[1509](#) CTSD [Related reagents](#)

**Synonyms**

CPSD

**Specificity**

**Mouse anti Human cathepsin D antibody** recognizes cathepsin D, also known as CLN10, CPSD, ceroid-lipofuscinosis neuronal 10, epididymis secretory sperm binding protein Li 130P, or lysosomal aspartyl protease.

CTSD gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a member of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Transcription of CTSD is initiated from several sites, including one which is a start site for an estrogen-regulated transcript. Mutations in CTSD are involved in the pathogenesis of several diseases, including breast cancer and possibly Alzheimer disease (provided by RefSeq, Jul 2008).

Mouse anti Human cathepsin D antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti cathepsin D detects a band of approximately 28 kDa in MCF7 cell lysates

**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Guarantee**

12 months from date of despatch

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**

Material Safety Datasheet documentation #20359 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00581>  
Antibody (20359)

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M370295:200529'

Printed on 18 Jan 2024