

Datasheet: VMA00581

Description:	MOUSE ANTI CATHEPSIN D
Specificity:	CATHEPSIN D
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites.
Buffer Solution	HEPES buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin <50% Glycerol
Immunogen	<i>E. coli</i> -derived recombinant human protein cathepsin D
External Database Links	UniProt: P07339 Related reagents Entrez Gene:

Synonyms	CPSD
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Specificity	<p>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.</p> <p>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).</p> <p>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.</p>
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Western Blotting	Anti cathepsin D detects a band of approximately 28 kDa in MCF7 cell lysates.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Guarantee	12 months from date of despatch.
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Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
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Health And Safety Information	Material Safety Datasheet documentation #20359 available at: https://www.bio-rad-antibodies.com/SDS/VMA00581 Antibody (20359)
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Regulatory	For research purposes only.
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Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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