

Datasheet: MCA6356

BATCH NUMBER 157619

Description:	RABBIT ANTI MMP-12
Specificity:	MMP-12
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM381
Isotype:	IgG
Quantity:	0.1 ml

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
Immunohistology - Paraffin	▪			1/1000 - 1/2500
Western Blotting	▪			1/200 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the C-terminus of human MMP-12
External Database	UniProt:

Links[P39900](#)[Related reagents](#)**Entrez Gene:**[4321](#)

MMP12

[Related reagents](#)**Synonyms**

HME

Specificity

Rabbit anti MMP-12 antibody recognizes macrophage metalloelastase, also known as MME and HME.

Matrixmetalloproteinases (MMPs) are endopeptidases involved with angiogenesis, tumor invasion and metastasis ([Klupp et al. 2016](#)). MMP12 is a protease secreted from macrophages, and is a potent elastase ([Wolf et al. 2019](#)). It is involved with macrophage migration, but also appears to play a role in regulating the resolution of inflammation ([Collison 2018](#)). MMP12 is involved with oncogenic processes, appearing to be a critical regulator of malignancies. Knockdown of MMP12 in lung adenovirus cells inhibits tumor growth and invasion ([Lv et al. 2015](#)). MMP12 also appears to play a role in age-dependent stiffening of arteries ([Brankovic et al. 2019](#)).

Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6356>
 10048

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)

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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)

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Printed on 25 Mar 2023

