

Datasheet: MCA6356

**BATCH NUMBER 157619**

<b>Description:</b>	RABBIT ANTI MMP-12
<b>Specificity:</b>	MMP-12
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM381
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://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.

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

**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...)   [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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