

Datasheet: VMA00089

BATCH NUMBER 170992

Description:	MOUSE ANTI HAPTOGLOBIN
Specificity:	HAPTOGLOBIN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	E04-6H5
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 tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Purified protein from human plasma

**External Database
Links**

UniProt:

[P00738](#) [Related reagents](#)

Entrez Gene:

[3240](#) HP [Related reagents](#)

Specificity

Mouse anti Human haptoglobin antibody recognizes haptoglobin, one of the major acute phase plasma proteins (APP).

The haptoglobin gene (HP) encodes a preproprotein, also known as zonulin, which is processed to yield both alpha and beta chains. These chains subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin.

Mutations in HP and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. HP has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of *Plasmodium falciparum* malaria. A similar duplicated gene is located next to HP on chromosome 16. Multiple transcript variants encoding different isoforms have been found for HP (provided by RefSeq, Jul 2008).

Mouse anti Human haptoglobin antibody detects a band of 43 kDa. The antibody has been extensively validated for western blotting using human plasma lysates.

Western Blotting

Anti haptoglobin detects a band of approximately 43 kDa in human plasma samples.

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 #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00089>

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M433737:241128'

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