

Datasheet: VMA00089

Description:	MOUSE ANTI HAPTOGLOBIN
Specificity:	HAPTOGLOBIN
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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)
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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

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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