

Datasheet: MCA6288GA

Description:	MOUSE ANTI HUMAN vWF
Specificity:	vWF
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C01-1F2
Isotype:	IgG1
Quantity:	0.1 mg

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
ELISA	▪			1.0 ug/ml

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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	CHO derived recombinant full length human vWF (Met1-Lys2813)

**External Database
Links**

UniProt:

[P04275](#) [Related reagents](#)

Entrez Gene:

[7450](#) VWF [Related reagents](#)

Synonyms

F8VWF

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human vWF antibody, clone C01-1F2, recognizes von Willebrand factor (vWF) a multifunctional glycoprotein that plays essential roles in primary and secondary homeostasis, mediates platelet adhesion and is a carrier of coagulation factor VIII ([Yasar et al. 2018](#)).

vWF is present in blood plasma, the subendothelial matrix, platelet granules (α granules) and endothelial cells ([Kawecki et al. 2017](#)). In endothelial cells, the vWF is stored in mature Weibel-Palade bodies before it is secreted into the plasma ([Yasar et al. 2018](#)). vWF plasma levels are influenced by genetic, pathological, hormonal and environmental interactions ([Swystun & Lillicrap 2018](#)). Upon vascular injury, vWF mediates the anchoring of platelets to the subendothelium leading to the formation of a platelet plug and the arrest of bleeding. Due to its acute release by the activated epithelium, vWF has been considered a marker of inflammation in various pathologies. However there is evidence that vWF is able to play a direct role in inflammation by recruiting leukocytes to sites of inflammation ([Kawecki et al. 2017](#)).

The purified Mouse anti Human vWF antibody, clone C01-1F2 (MCA6288GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human vWF antibody, clone E01-1C8 ([MCA6289B](#)) as the detection antibody.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6288GA>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

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

Recommended Useful Reagents

[MOUSE ANTI HUMAN vWF:Biotin \(MCA6289B\)](#)

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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
'M384131:210513'

Printed on 25 Mar 2023