

Datasheet: MCA6289B

Description:	MOUSE ANTI HUMAN vWF:Biotin
Specificity:	vWF
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	E01-1C8
Isotype:	IgG2b
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 conjugated to Biotin - 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) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	CHO derived recombinant full length human vWF (Met1-Lys2813)
External Database Links	UniProt:

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	<p>Mouse anti Human vWF antibody, clone E01-1C8, 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).</p> <p>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).</p> <p>The biotinylated Mouse anti Human vWF antibody, clone E01-1C8 (MCA6289B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human vWF antibody, clone C01-1F2 (MCA6288GA) as the capture antibody.</p>
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6289B 10041
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN vWF \(MCA6288GA\)](#)

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

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