Datasheet: MCA6289B

BATCH NUMBER 100005274

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:** 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 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). 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 leukokcytes to sites of inflammation (Kawecki *et al.* 2017). 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.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6289B 10041
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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

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