

Datasheet: MCA6275B

Description:	MOUSE ANTI HUMAN CD62P:Biotin
Specificity:	CD62P
Other names:	P--selectin
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	A05-6A1
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	HEK293 derived recombinant human full length CD62P (Met1- Ala771)

**External Database
Links**

UniProt:

[P16109](#) [Related reagents](#)

Entrez Gene:

[6403](#) SELP [Related reagents](#)

Synonyms

GMRP, GRMP

Fusion Partners

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

Specificity

Mouse anti Human CD62P antibody, clone A05-6A1, recognizes CD63P, also known as P-Selectin, granule membrane protein 140, LECAM and PADGEM. CD62P is a member of the Selectin family of proteins which are transmembrane Ca²⁺-dependent lectins that mediate adhesion of leukocytes, platelets and the endothelium during inflammation and immune surveillance ([McEver 2015](#)).

CD62P is expressed by megakaryocytes and endothelial cells and is stored in membranes of α -granules of platelets and Weibel-Palade bodies of endothelial cells. In humans CD62P can also be secreted as a molecule lacking the transmembrane domain. Increased levels of soluble CD62P in peripheral blood has been documented in a variety of diseases including heart disease, diabetes, hypertension and atrial fibrillation ([Polgar et al. 2005](#)).

The biotinylated Mouse anti Human CD62P antibody, clone A05-6A1 (MCA6275B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CD62P antibody, clone A01-2H1 ([MCA6274GA](#)) as the capture 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 #10041 available at:
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CD62P \(MCA6274GA\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN CD62P \(MCA6274GA\)](#)

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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

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