Datasheet: MCA1076PB

Description: MOUSE ANTI HUMAN CD62L-Pacific Blue®

Specificity: CD62L

Other names: LECAM-1, L-SELECTIN

Format: Pacific Blue®

Product Type: Monoclonal Antibody

Clone: FMC46

Isotype: IgG2b

Quantity: 100 TESTS/1ml

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.

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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
<td>Neat</td>
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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

Species Cross Reactivity

Reacts with: Bovine, Cynomolgus monkey, Rhesus Monkey, Dog

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG conjugated to Pacific Blue - liquid

Max Ex/Em

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<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>Pacific Blue®</td>
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<td>455</td>
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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 (NaN₃)

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

Immunogen

PHA stimulated lymphoblasts
Links

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<th>UniProt:</th>
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<th>Entrez Gene:</th>
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Synonyms

LNHR, LYAM1

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity

Mouse anti Human CD62L antibody, clone FMC46 recognizes human CD62L, also known as L-selectin, a 74-95 kDa member of the selectin family of adhesion receptors, which acts as a ligand for both CD62P (P-selectin) and CD62E (E-selectin). Human CD62L is constitutively expressed on most leucocytes including monocytes, granulocytes, lymphocytes, NK cells, bone marrow myeloid progenitor cells and on a subset of thymocytes.

CD62L plays an important role in leucocyte tethering and rolling on the endothelial cell surface and for the homing of naive lymphocytes to lymph nodes and Peyers patches via HEV. Neutrophils require a constant supply of this molecule on the cell surface for migration into peripheral tissues and adhesion to activated endothelium at sites of inflammation, where CD62L is rapidly shed as soluble L-selectin, but surface expression still remains.

The expression of CD62L is down regulated on lymphocytes and neutrophils by PMA stimulation.

Flow Cytometry

Use 10ul of the suggested working dilution to label $10^6$ cells or 100ul whole blood

References


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. This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
12 months from date of despatch

Acknowledgements
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Health And Safety Information

Regulatory
For research purposes only

Related Products
Recommended Negative Controls
MOUSE IgG2b NEGATIVE CONTROL:Pacific Blue® (MCA691PB)
Recommended Useful Reagents
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)