# Datasheet: MCA1076G

## Product Details

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN CD62L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD62L</td>
</tr>
<tr>
<td>Other names:</td>
<td>LECAM-1, L-SELECTIN</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>FMC46</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2b</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

### Applications

<table>
<thead>
<tr>
<th>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td>10 ug/ml</td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
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</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
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</tr>
</tbody>
</table>

Where this antibody 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 antibody 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 - 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

### Carrier Free

Yes

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml
Immunogen
PHA stimulated lymphoblasts

External Database Links
UniProt: P14151
Related reagents
Entrez Gene: 6402 SELL
Related reagents

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 leukocytes including monocytes, granulocytes, lymphocytes, NK cells, bone marrow myeloid progenitor cells and on a subset of thymocytes.

CD62L plays an important role in leukocyte tethering and rolling on the endothelial cell surface and for the homing of naive lymphocytes to lymph nodes and Peyer's 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 in 100ul.

Histology Positive Control Tissue
Human Tonsil

References


Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...), Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...), HRP
Rabbit Anti Mouse IgG (STAR12...), RPE
Rabbit Anti Mouse IgG (STAR8...), DyLight®800
Rabbit Anti Mouse IgG (STAR13...), HRP
Goat Anti Mouse IgG (STAR76...), RPE
Goat Anti Mouse IgG (STAR70...), FITC
Goat Anti Mouse IgG (H/L) (STAR117...), Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Goat Anti Mouse IgG (Fc) (STAR120...), FITC, HRP
Rabbit Anti Mouse IgG (STAR9...), FITC
Human Anti Mouse IgG2b (HCA038...), FITC, HRP

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL (MCA691)