### Datasheet: MCA1076A700

**Description:** MOUSE ANTI HUMAN CD62L: Alexa Fluor® 700

**Specificity:** CD62L

**Other names:** LECAM-1, L-SELECTIN

**Format:** ALEXA FLUOR® 700

**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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>Neat</td>
<td></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 Alexa Fluor 700 - liquid

### Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>Alexa Fluor®700</td>
<td>702</td>
<td>723</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
### 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 $10^8$ 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:Alexa Fluor® 700 (MCA691A700)**

**Recommended Useful Reagents**

**HUMAN SEROBLOCK (BUF070A)**

**HUMAN SEROBLOCK (BUF070B)**

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