

# Technical Data Sheet

## InVivoMAb anti-rat L-selectin (CD62L)



**Attention:** Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

### Lot Specific Information

**Lot Number:** Lot Specific\*  
**Volume:** Lot Specific\*  
**Concentration:** Lot Specific\* (generally 4 to 11 mg/ml) \*  
**Total Protein:** Lot Specific\*

\*This information will be noted on the certificate of analysis that ships with this product.

### Product Information

**Catalog Number:** BE0476  
**Clone:** OX-85  
**Isotype:** Mouse IgG1,  $\kappa$   
**Recommended Isotype Control(s):** InVivoMAb mouse IgG1 isotype control, unknown specificity  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** Rat purified CD62L-CD4  
**Reported Applications:** *in vivo* blocking of L-selectin (CD62L)  
*in vitro* blocking of L-selectin (CD62L)  
*in vitro* functional assay  
Flow cytometry  
ELISA  
**Formulation:** PBS, pH 7.0  
Contains no stabilizers or preservatives  
**Endotoxin:**  $\leq 1\text{EU/mg}$  ( $\leq 0.001\text{EU}/\mu\text{g}$ )  
Determined by LAL gel clotting assay  
**Purity:**  $\geq 95\%$   
Determined by SDS-PAGE  
**Sterility:**  $0.2\ \mu\text{m}$  filtered  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:**  
**Molecular Weight:** 150 kDa

### Description

The OX-85 monoclonal antibody reacts with rat L-selectin (CD62L), also known as LECAM-1, Sell, LAM-1, Ly-22, and Lymphocyte surface MEL-14 antigen. CD62L is a single-pass type I membrane glycoprotein from the selectin family. This protein is expressed by the majority of naïve T and B cells, neutrophils, monocytes, a subset of memory T cells, NK cells, and most thymocytes. CD62L is a calcium-dependent lectin that mediates cell adhesion by binding to glycoproteins on neighboring cells. CD62L is a cell adhesion molecule (CAM) that binds to many glycoprotein ligands, including CD34, GlyCAM-1, MAdCAM-1, PODXL2, and PSGL-1. CD62L's interaction with SELPLG/PSGL1 (CD162) and PODXL2 promotes recruitment and rolling of leukocytes. CD62L acts as a "homing receptor" for lymphocytes to enter secondary lymphoid tissues via high endothelial venules. Moreover, CD62L facilitates the emigration of neutrophils towards the sites of inflammation. During activation of leukocytes (including lymphocytes and neutrophils), the CD62L protein is enzymatically cleaved from the cell surface by the ADAM17 enzyme. Owing to its role in leukocyte biology, CD62L shedding acts as an excellent marker in cancer, infectious, inflammatory, and autoimmune diseases. Manipulating CD62L shedding is also considered a strategy to enhance the efficacy of immunotherapeutics, e.g., through augmenting the lytic activity of T cells against tumors.

## Storage

Store at the stock concentration at 4°C . **Do not freeze.**

It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at <https://bioxcell.com/faqs>.

## Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

## Application References

For a complete list of references, visit [https://bioxcell.com/be0476?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0476?bxcs=9k1b3a#tab_references) or scan the QR code below.



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*Not for resale.*

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