

# Technical Data Sheet

## FlowMAb FITC anti-mouse 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:** FM0021-FITC  
**Clone:** Mel-14  
**Isotype:** Rat IgG2a, κ  
**Conjugation:** FITC  
**Excitation Source:** Blue 488 nm  
**Excitation Max:** 494 nm  
**Emission Max:** 518 nm  
**Recommended Isotype Control(s):** FlowMAb FITC rat IgG2a isotype control, anti-trinitrophenol  
**Immunogen:** C3H/eb mouse B lymphoma 38C-13  
**Reported Applications:**  
**Formulation:** PBS, pH 7.0  
Contains 0.09% Sodium Azide  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_1107665](https://abnova.com/AB_1107665)

### Description

The Mel-14 monoclonal antibody reacts with mouse CD62L, also known as L-selectin and MEL-14. CD62L is a 76 kDa glycoprotein and a member of the selectin family that is expressed by neutrophils, monocytes, the majority of naïve T and B cells, a subset of memory T cells, NK cells, and most thymocytes. This protein undergoes a shedding process upon cellular activation wherein CD62L is actively cleaved from the surface of a cell membrane by ADAM17. CD62L binds to many glycoprotein ligands, including CD34, GlyCAM-1, MAdCAM-1, and PSGL-1, and acts as a "homing receptor" for lymphocytes to enter secondary lymphoid tissues via high endothelial venules. This fluorescein isothiocyanate (FITC)-conjugated version of the Mel-14 antibody is useful for flow cytometry, and immunohistochemistry (frozen) applications.

### Storage

Store at the stock concentration at 4°C and protected from prolonged exposure to light . **Do not freeze.**

### Protocol Information

It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### Application References

For a complete list of references, visit [https://bioxcell.com/fm0021-fitc?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/fm0021-fitc?bxcs=9k1b3a#tab_references) or scan the QR code below.



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**Bio X Cell, LLC**

<https://bioxcell.com>

+1-866-787-3444

[customerservice@bioxcell.com](mailto:customerservice@bioxcell.com)

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