

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse L-Selectin/CD62L in Western blots. In Western blots, no cross-reactivity with recombinant human L-Selectin, recombinant mouse (rm) E-Selectin, or rmP-Selectin is observed.
Source	Monoclonal Rat IgG ₁ Clone # 95226
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse L-Selectin/CD62L Trp39-Asn332 Accession # P18337
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Mouse L-Selectin/CD62L Fc Chimera (Catalog # 576-LS)
Flow Cytometry	2.5 µg/10 ⁶ cells	Mouse splenocytes
Mouse L-Selectin/CD62L Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Mouse L-Selectin/CD62L Antibody (Catalog # MAB5762)
ELISA Detection	0.5-2.0 µg/mL	Mouse L-Selectin/CD62L Biotinylated Antibody (Catalog # BAM5761)
Standard		Recombinant Mouse L-Selectin/CD62L Fc Chimera (Catalog # 576-LS)
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

L-Selectin (Leukocyte Selectin; also known as CD62L, LAM-1, LECAM-1, LECCAM-1, TQ1, Leu-8, MEL-14 antigen, DREG, and lymph node homing receptor), a member of the Selectin family, is a cell surface glycoprotein expressed constitutively on a wide variety of leukocytes. Two forms of L-Selectin have been reported, apparently arising as a result of post-translational modifications. The lymphocyte form shows an apparent molecular weight of 74 kDa, while the neutrophil form is 90-100 kDa. Human and mouse L-Selectin share 76% amino acid sequence homology. L-Selectin plays a role in the migration of lymphocytes into peripheral lymph nodes and sites of chronic inflammation, and of neutrophils into acute inflammatory sites. Acting in cooperation with P-Selectin and E-Selectin, L-Selectin mediates the initial interaction of circulating leukocytes with endothelial cells that produces a characteristic "rolling" of the leukocytes on the endothelium. This initial interaction involving ICAM-1 and VCAM-1 leads eventually to extravasation of the white blood cell through the blood vessel wall into the extracellular matrix tissue. ELISA techniques have shown that detectable levels of soluble L-Selectin are present in the biological fluids of apparently normal individuals. Levels of L-Selectin may be elevated or lowered in subjects with a variety of pathological conditions.