Mouse L-Selectin/CD62L Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_1 Clone # 95226

Catalog Number: FAB5762R

100 µg

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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
Flow Cytometry	0.25-1 µg/10^6 cells	Mouse splenocytes

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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