

Datasheet for ABIN1176858
anti-L-Selectin antibody

18 Publications



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Overview

Quantity:	0.5 mg
Target:	L-Selectin (SELL)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This L-Selectin antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Blocking Reagent (BR), Cytotoxicity Test (CyTox), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Brand:	BD Pharmingen™
Immunogen:	C3H/eb mouse B lymphoma 38C-13
Clone:	MEL-14
Isotype:	IgG2a kappa
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin level is ≤ 0.01 EU/µg (≤ 0.001 ng/µg) of protein as determined by the LAL assay.

Target Details

Target:	L-Selectin (SELL)
Alternative Name:	CD62L (L-selectin) (SELL Products)
Target Type:	Chemical
Background:	The MEL-14 antibody reacts with CD62L (L-selectin), a 95 kDa (on neutrophils) or 74 kDa (on lymphocytes) receptor with lectin-like and Epidermal Growth Factor-like domains. In the mouse, L-selectin is detected on most thymocytes, with the highest levels of expression on an immunocompetent subset and a population of dividing progenitor cells, and on peripheral leukocytes, including subsets of B and T lymphocytes, neutrophils, monocytes, and eosinophils. This member of the selectin adhesion molecule family appears to be required for lymphocyte homing to peripheral lymph nodes and to contribute to neutrophil emigration at inflammatory sites. L-selectin is rapidly shed from lymphocytes and neutrophils upon cell activation, metalloproteinases may mediate the release of CD62L ectodomains from the cell surface. The level of CD62L expression, along with other markers, distinguishes naive, effector, and memory T cells. L-selectin binds to sialyated oligosaccharide determinants on high endothelial venules (HEV) in peripheral lymph nodes. In vitro studies have demonstrated that CD34, GlyCAM-1, and MAdCAM-1, all recognized by mAb MECA-79 (anti-mouse PNA^d Carbohydrate Epitope, Cat. No. 553863), may be ligands for CD62L. MEL-14 mAb blocks in vitro binding of lymphocytes to peripheral lymph node HEV and inhibits in vivo lymphocyte extravasation into peripheral lymph nodes and late stages of leukocyte rolling. This antibody is routinely tested by flow cytometric analysis. Synonyms: L-selectin, LECAM-1, Ly-22

Application Details

Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL
Buffer:	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered.
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store undiluted at 4°C. This preparation contains no preservatives, thus it should be handled

under aseptic conditions.

Publications

Product cited in:

Lanzavecchia, Sallusto: "Dynamics of T lymphocyte responses: intermediates, effectors, and memory cells." in: **Science (New York, N.Y.)**, Vol. 290, Issue 5489, pp. 92-7, (2000) ([PubMed](#)).

Seibold, Seibold-Schmid, Cong, Shu, McCabe, Weaver, Elson: "Regional differences in L-selectin expression in murine intestinal lymphocytes." in: **Gastroenterology**, Vol. 114, Issue 5, pp. 965-74, (1998) ([PubMed](#)).

Cerwenka, Carter, Reome, Swain, Dutton: "In vivo persistence of CD8 polarized T cell subsets producing type 1 or type 2 cytokines." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 161, Issue 1, pp. 97-105, (1998) ([PubMed](#)).

Peschon, Slack, Reddy, Stocking, Sunnarborg, Lee, Russell, Castner, Johnson, Fitzner, Boyce, Nelson, Kozlosky, Wolfson, Rauch, Cerretti, Paxton, March, Black: "An essential role for ectodomain shedding in mammalian development." in: **Science (New York, N.Y.)**, Vol. 282, Issue 5392, pp. 1281-4, (1998) ([PubMed](#)).

Yang, Mizuno, Hellström, Chen: "B7-negative versus B7-positive P815 tumor: differential requirements for priming of an antitumor immune response in lymph nodes." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 158, Issue 2, pp. 851-8, (1997) ([PubMed](#)).

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