Datasheet for ABIN967639

anti-L-Selectin antibody

11 Publications

Go to Product page

Overview

Quantity:	0.2 mg
Target:	L-Selectin (SELL)
Reactivity:	Chemical
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This L-Selectin antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Functional Studies (Func)

Product Details

Brand:	BD Pharmingen™
Immunogen:	Peripheral Blood T Lymphocytes
Clone:	SK11
Isotype:	IgG2a kappa
Characteristics:	1. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 2. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 3. Please refer to us for technical protocols.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	L-Selectin (SELL)
Alternative Name:	CD62L (L-selectin) (SELL Products)
Target Type:	Chemical
Background:	Anti-LECAM-1 (Leu-8/TQ1) monoclonal antibody (clone SK11) recognizes an 80 kD protein on the surface of human leukocytes. The leukocyte-endothelial cell adhesion molecule 1 (LECAM-1) protein is the human homologue of the murine lymph node homing receptor, MEL-14, a molecule that initiates the adhesion of circulating leukocytes to high endothelium in postcapillary venules. LECAM-1 belongs to the selectin family of cell adhesion molecules and is also known as CD62L. This antibody is routinely tested by flow cytometric analysis. Synonyms: L-Selectin

Application Details

Application Notes:	Functional Studies: Anti-LECAM-1 monoclonal antibodies have been shown to inhibit neutrophil localization at sites of acute inflammation. Anti-LECAM-1 monoclonal antibody (clone SK11) also induces suppressor function in CD4+ T lymphocytes but does not induce lymphocyte proliferation. Immunoblotting: Using anti-LECAM-1 monoclonal antibody (clone SK11) in Western blot analysis of extracts from Leu- 8-transfected COS cells and the human T-cell leukemia line (Jurkat) revealed at least seven species of similar molecular weight and at least two closely spaced bands of 76 kD, the largest molecular weight form seen in COS cells.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Aqueous buffered solution containing ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C

Handling

Storage Comment:	Store undiluted at 4° C.

Publications

Product cited in:

Bevilacqua, Butcher, Furie, Furie, Gallatin, Gimbrone, Harlan, Kishimoto, Lasky, McEver: " Selectins: a family of adhesion receptors." in: **Cell**, Vol. 67, Issue 2, pp. 233, (1991) (PubMed).

Lawrence, Springer: "Leukocytes roll on a selectin at physiologic flow rates: distinction from and prerequisite for adhesion through integrins." in: **Cell**, Vol. 65, Issue 5, pp. 859-73, (1991) (PubMed).

Picker, Warnock, Burns, Doerschuk, Berg, Butcher: "The neutrophil selectin LECAM-1 presents carbohydrate ligands to the vascular selectins ELAM-1 and GMP-140." in: **Cell**, Vol. 66, Issue 5, pp. 921-33, (1991) (PubMed).

Polley, Phillips, Wayner, Nudelman, Singhal, Hakomori, Paulson: "CD62 and endothelial cell-leukocyte adhesion molecule 1 (ELAM-1) recognize the same carbohydrate ligand, sialyl-Lewis x." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 88, Issue 14, pp. 6224-8, (1991) (PubMed).

Smith, Kishimoto, Abbassi, Hughes, Rothlein, McIntire, Butcher, Anderson, Abbass: " Chemotactic factors regulate lectin adhesion molecule 1 (LECAM-1)-dependent neutrophil adhesion to cytokine-stimulated endothelial cells in vitro." in: **The Journal of clinical investigation**, Vol. 87, Issue 2, pp. 609-18, (1991) (PubMed).

There are more publications referencing this product on: Product page