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Datasheet for ABIN1112206

## anti-L-Selectin antibody (FITC)

1 Image

1 Publication

### Overview

Quantity:	100 tests
Target:	L-Selectin (SELL)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This L-Selectin antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

### Product Details

Clone:	HI62L
Isotype:	IgG2a
Characteristics:	Monoclonal Mouse Anti-Human CD62L FITC is recommended for use in flow cytometry.

### Target Details

Target:	L-Selectin (SELL)
Alternative Name:	CD62L ( <a href="#">SELL Products</a> )
Background:	This antibody recognizes CD62L, known as L-selectin, a 76 kDa molecule which is a member of the selectin family of adhesion receptors. These function in leucocyte binding to activated endothelium and in lymphocyte homing to high endothelial venules. The antigen is expressed on neutrophils, monocytes, T and B lymphocyte subsets and NK cells. CD62L on neutrophils, but not on lymphocytes, carries the carbohydrate structure sialyl-Lewis X. This carbohydrate is

## Target Details

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ligand for the selectins P-selectin (CD62P) and E-selectin (CD62E) which can be expressed on endothelial cells, and the interaction of CD62L with these selectins has been argued to play a role in the initial adhesion of neutrophils to endothelium.

## Application Details

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Application Notes:	It is recommended for use in flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 20 µl/10 <sup>6</sup> cells.
Comment:	Fluorescein isothiocyanate (Molecular Probes).
Sample Collection:	1. Transfer 100 µl of anticoagulated (EDTA) blood to a 12 x 75 mm polystyrene test tube (10 <sup>6</sup> cells). 2. Add 20 µl of CD62L FITC and mix gently with a vortex mixer. The 20 µl is a guideline only, the optimal volume should be determined by the individual laboratory. 3. The recommended negative control is a non-reactive FITC-conjugated antibody of the same isotype. 4. Incubate in the dark at room temperature at 4°C for 30 minutes or at room temperature (20-25 °C) for 15 minutes. 5. Add 1,5 ml of Lysing Solution to each sample and mix gently with a vortex mixer. Incubate for 10 minutes at room temperature in the dark. 6. Centrifuge at 1000 x g for 5 minutes. Gently aspirate the supernatant and discard it leaving approximately 50 µl of fluid. 7. Add 2 ml 0.01 mol/l PBS ( It better that it containing 2% bovine serum albumin) and resuspend the cells by using a vortex mixer. 8. Centrifuge at 1000 x g for 5 minutes. Gently aspirate the supernatant and discard it leaving approximately 50 µl of fluid. 9. Resuspend pellet in an appropriate fluid for flow cytometry, e.g. 0.3 ml PBS. The PBS should contain 1% paraformaldehyde (fixative) if samples are not analysed the same day. 10. Analyse on a flow cytometer or store at 2-8 °C in the dark until analysis. Samples can be run up to 24 hours after lysis.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	The conjugate is provided in liquid form in buffer containing 1% bovine serum albumin (BSA) and 0,09% Sodium azide, pH 7.2.
Preservative:	Sodium azide
Precaution of Use:	1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment. 2. This

## Handling

product contains Sodium azide ( $\text{NaN}_3$ ), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, Sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing. 3. As with any product derived from biological sources, proper handling procedures should be used.

Storage: 4 °C

## Publications

Product cited in: Cotter, Melino: "Meeting Report: The high-tech aspect of death." in: **Cell death and differentiation**, Vol. 1, Issue 1, pp. 67-8, (2006) ([PubMed](#)).

## Images

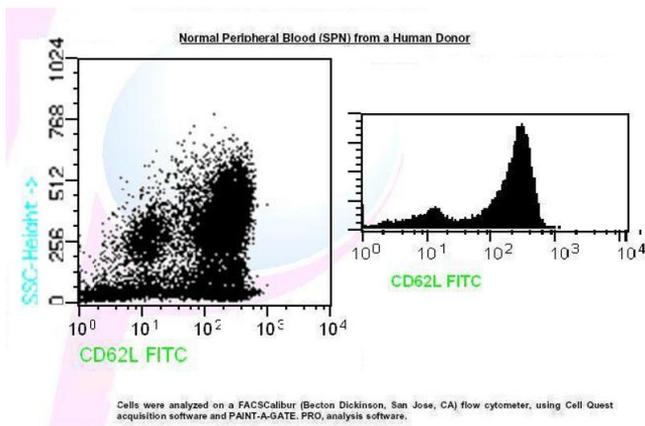


Image 1.