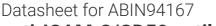
antibodies -online.com







anti-ICAM-3/CD50 antibody

Images

Publications



Overview

Quantity:	0.1 mg
Target:	ICAM-3/CD50 (ICAM3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ICAM-3/CD50 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	Human granulocytes
Clone:	MEM-171
Isotype:	lgG1
Specificity:	The antibody MEM-171 recognizes an extracellular epitope in the D2 domain of CD50 (ICAM-3), a 120-130 kDa type I membrane protein (immunoglobulin supergene family) expressed on leukocytes, endothelial cells and Langerhans cells, it is negative on platelets and erythrocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target Details	
Target:	ICAM-3/CD50 (ICAM3)
Alternative Name:	CD50 (ICAM3 Products)
Background:	Intercellular adhesion molecule 3,CD50 (intracellular adhesion molecule 3, ICAM-3) is a
	transmembrane glycoprotein expressed by leukocytes, that serves as a counter-receptor for the
	lymphocyte function-associated antigen (LFA)-1 integrin. Besides functioning as an adhesive
	molecule that mediates e.g. the contact between T cells and antigen presenting cells, ICAM-3
	regulates affinity of LFA-1 for ICAM-1 and induces T cell activation and proliferation. ICAM-3
	plays an essential role in the initiation of the immune response both on T cells and antigen
	presenting cells and interacts also with CD209 (dendritic cell-specific ICAM-3-grabbing
	nonintegrin, DC-SIGN), a C-type lectin of dendritic cells and macrophages, this process is
	involved in dialogue between dendritic cells and granulocytes.,ICAM-3, ICAM-R
Gene ID:	3385
UniProt:	P32942
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 4 µg/mL.

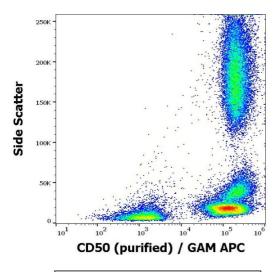
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.
Publications	
Product cited in:	Linnebacher, Wienck, Boeck, Klar: "Identification of an MSI-H tumor-specific cytotoxic T cell

epitope generated by the (-1) frame of U79260(FTO)." in: Journal of biomedicine &

biotechnology, Vol. 2010, pp. 841451, (2010) (PubMed).

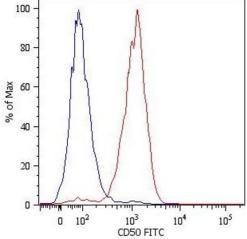
Cermák, Símová, Pintzas, Horejsí, Andera: "Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules." in: **The Journal of biological chemistry**, Vol. 277, Issue 10, pp. 7955-61, (2002) (PubMed).

Images



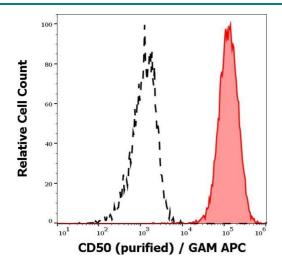
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD50 (MEM-171) purified antibody (concentration in sample 0,6 μ g/mL, GAM APC).



Flow Cytometry

Image 2. Surface staining of JURKAT humanleukemia T cell line with anti-human CD50 (MEM-171) FITC.



Flow Cytometry

Image 3. Separation of human lymphocytes (red-filled) from CD50 negative blood debris (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD50 (MEM-171) purified antibody (concentration in sample 0,6 µg/mL, GAM APC).