

**ARG62879**  
**anti-CD50 / ICAM3 antibody [MEM-171] (Biotin)**Package: 100 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [MEM-171] recognizes CD50 / ICAM3
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone MEM-171 recognizes an 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. HLDA VI; WS Code BP 614 HLDA VI; WS Code NL N-L022
Host	Mouse
Clonality	Monoclonal
Clone	MEM-171
Isotype	IgG1
Target Name	CD50 / ICAM3
Species	Human
Immunogen	Human granulocytes
Conjugation	Biotin
Alternate Names	CD50; CD antigen CD50; Intercellular adhesion molecule 3; ICAM-3; ICAM-R; CDw50; CDW50

### Application Instructions

Application table	Application	Dilution
	FACS	3 - 5 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

[GeneID: 3385 Human](#)

[Swiss-port # P32942 Human](#)

Gene Symbol

ICAM3

Gene Full Name

intercellular adhesion molecule 3

Background

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.

Function

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM3 is also a ligand for integrin alpha-D/beta-2. [UniProt]

Research Area

Immune System antibody; Signaling Transduction antibody

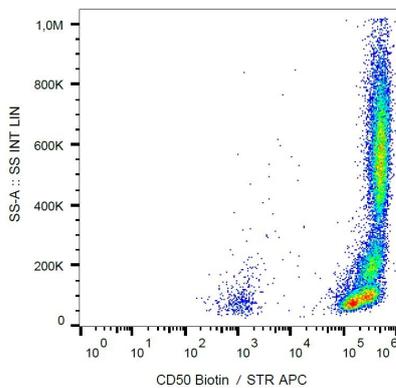
Calculated Mw

60 kDa

PTM

Upon stimulation by a physiologic stimuli becomes rapidly and transiently phosphorylated on serine residues.  
N-glycosylated; glycans consist of a mixture of tri- and tetra-antennary complex-type chains and high-mannose chains.

## Images



ARG62879 anti-CD50 / ICAM3 antibody [MEM-171] (Biotin) FACS image

Flow Cytometry: Human peripheral blood stained with ARG62879 anti-CD50 / ICAM3 antibody [MEM-171] (Biotin), followed by Streptavidin (APC).