

## ARG53869 anti-CD50 / ICAM3 antibody [MEM-171] (PE)

Package: 100 tests  
Store at: 4°C

### Summary

Product Description	PE-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	PE
Alternate Names	CD50; CD antigen CD50; Intercellular adhesion molecule 3; ICAM-3; ICAM-R; CDw50; CDW50

### Application Instructions

Application table	Application	Dilution
	FACS	20 µl / 10 <sup>6</sup> cells

**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 R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
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

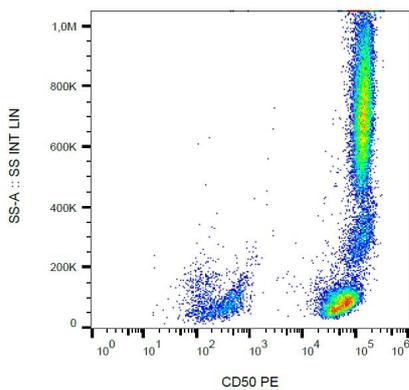
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links	<a href="#">GeneID: 3385 Human</a> <a href="#">Swiss-port # P32942 Human</a>
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



ARG53869 anti-CD50 / ICAM3 antibody [MEM-171] (PE) FACS image

Flow Cytometry: Human peripheral blood stained with ARG53869 anti-CD50 / ICAM3 antibody [MEM-171] (PE).