

Product datasheet for **AM26001LE-N**

ICAM3 Mouse Monoclonal Antibody [Clone ID: MEM-04]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-04
Applications:	FC, FN, IHC
Recommended Dilution:	Flow cytometry: 5 µg/ml. Immunohistochemistry on paraffin sections: 10 µg/ml. Positive control: tonsil. Functional application: blocks DC-SIGN (CD209) binding to ICAM-3 (epitope in D1).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Leukocytes of a patient suffering from LGL-type leukemia
Specificity:	The antibody MEM-04 reacts with 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. The MEM-04 blocks DC-SIGN (CD209) binding to ICAM-3 (epitope in D1).
Formulation:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized. State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	intercellular adhesion molecule 3
Database Link:	Entrez Gene 3385 Human P32942



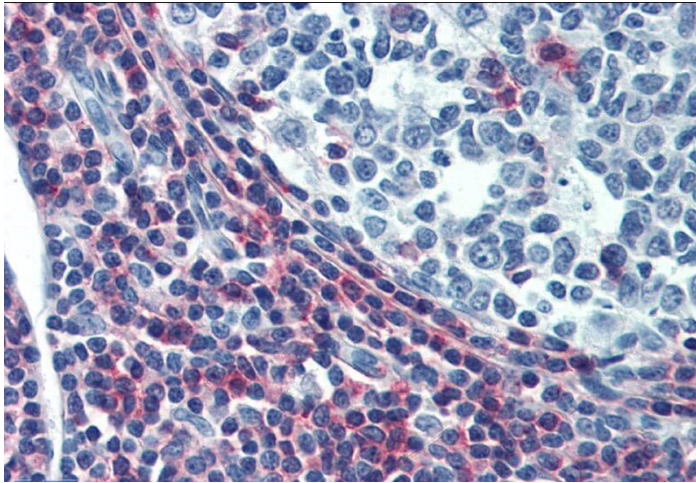
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Background:

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.

Synonyms:

ICAM-3, ICAM-R, CDw50

Product images:

Immunohistochemistry staining of human tonsil (paraffin sections) using anti-CD50 (MEM-04).