

## 30-1614: Anti-CD50 / ICAM-3 Monoclonal Antibody (Clone:MEM-04)-Low Endotoxin

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-04
<b>Application :</b>	FACS, IHC, Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	ICAM3
<b>Gene ID :</b>	3385
<b>Uniprot ID :</b>	P32942
<b>Format :</b>	Low Endotoxin
<b>Alternative Name :</b>	ICAM3
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Leukocytes of a patient suffering from LGL-type leukemia.

### Description

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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Immunohistochemistry** *Recommended dilution:* 10  $\mu$ g/ml

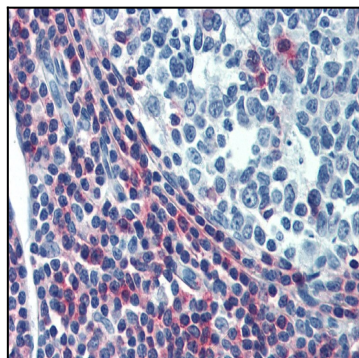


Figure 1: Immunohistochemistry staining of human tonsil (paraffin sections) using anti-CD50 (MEM-04).