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

Clone Name : MeM-04

**Application :** FACS, IHC, Functional Assay

Reactivity: Human
Gene: ICAM3
Gene ID: 3385
Uniprot ID: P32942

Format: Low Endotoxin

**Alternative Name:** ICAM3 **Isotype:** Mouse IgG1

**Immunogen Information :** 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**

Amount: 0.1 mg

**Purification :** Purified by protein-A affinity chromatography

**Storage condition :** Store at 2-8°C. Do not freeze.

## **Application Note**

Immunohistochemistry Recommended dilution:10 ̸µg/ml

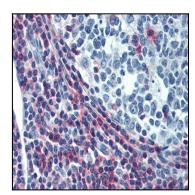


Figure 1: Immunohistochemistry staining of human tonsil (paraffin sections) using anti-CD50 (MEM-04).