

Product datasheet for **SM3028P**

ICAM3 Mouse Monoclonal Antibody [Clone ID: MEM-171]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | MEM-171 |
| Applications: | FC, IP |
| Recommended Dilution: | Flow cytometry: 4 µg/ml. Immunoprecipitation. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human granulocytes |
| Specificity: | The antibody recognizes an epitope in the D2 domain of human CD50 (ICAM-3). |
| Formulation: | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein-A affinity chromatography; purity: > 95% (by SDS-PAGE) |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C. DO NOT FREEZE! |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | intercellular adhesion molecule 3 |
| Database Link: | Entrez Gene 3385 Human P32942 |



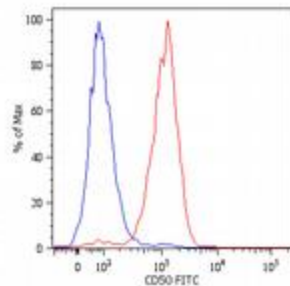
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Background:

CD50 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:

Surface staining of JURKAT human leukemia T cell line with anti-human CD50 (MEM-171) FITC.