

anti-human CD50 FITC-conjugated

The antibody 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.

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.

| | |
|------------------------|---|
| Clone: | MEM-171 |
| Isotype: | Mouse IgG1 |
| Physical state: | Liquid for direct use |
| Form: | purified antibody conjugated with Fluorescein isothiocyanate (FITC) |
| Buffer: | PBS containing 1% BSA and 0.1% sodium azide (pH 7.4) |
| Storage: | Store at 4 °C. Do not freeze. Avoid prolonged exposure to light. |
| Application: | Flow Cytometry |
| Reference: | Bogoevska V and others: 2007 Mar;17(3):324-33 |
| Quantity: | 1.0 ml |
| Order N°: | H12189F |

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

This material is offered for **research only**. Not for use in human. For in vitro use only. EuroBioSciences will not be held responsible for patent infringement or other violations that may occur with the use of our products.