

### 30-1433: Anti-CD11a / LFA-1 alpha chain Monoclonal Antibody (Clone:M17/4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	M17/4
<b>Application :</b>	FACS, IP, IHC-Fr, Functional Assay
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Itgal
<b>Gene ID :</b>	16408
<b>Uniprot ID :</b>	P24063
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Itgal,Lfa-1,Ly-15
<b>Isotype :</b>	Rat IgG2a
<b>Immunogen Information :</b>	C57BL/6 mouse splenic secondary cytotoxic T lymphocytes

#### Description

CD11a (LFA-1 alpha) together with CD18 constitute leukocyte function-associated antigen 1 (LFA-1), the alphaLbeta2 integrin. CD11a is implicated in activation of LFA-1 complex. LFA-1 is expressed on the plasma membrane of leukocytes in a low-affinity conformation. Cell stimulation by chemokines or other signals leads to induction the high-affinity conformation, which supports tight binding of LFA-1 to its ligands, the intercellular adhesion molecules ICAM-1, -2, -3. LFA-1 is thus involved in interaction of various immune cells and in their tissue-specific settlement, but participates also in control of cell differentiation and proliferation and of T-cell effector functions.

#### 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

**Flow Cytometry** *Recommended dilution:* 1  $\mu$ g/ml

**Immunoprecipitation Immunohistochemistry (frozen sections)** *Positive tissue:* mouse spleen or thymus

*Application note:* acetone fixation

**Functional Application** Blocking