

Product datasheet for **AM12064LE-N**

CD11a / ITGAL Rat Monoclonal Antibody [Clone ID: M17/4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M17/4
Applications:	FC, FN, IHC, IP
Recommended Dilution:	Flow Cytometry: 1 µg/ml. Immunoprecipitation. Immunohistochemistry on frozen sections (acetone fixation). <i>Positive control:</i> mouse spleen or thymus. Functional Application: Blocking.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	C57BL/6 mouse splenic secondary cytotoxic T lymphocytes
Specificity:	The antibody reacts with CD11a (alpha-subunit of murine LFA-1), a 180 kDa type I transmembrane glycoprotein expressed on B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils.
Formulation:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized. Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test. State: Low Endotoxin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Database Link:	P24063



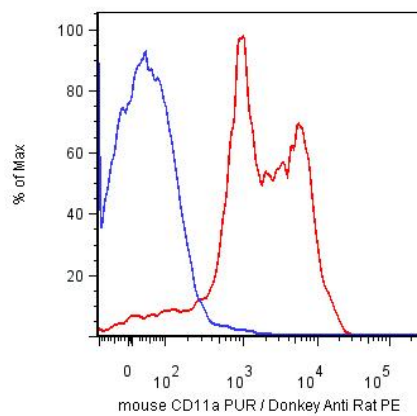
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Background:

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.

Synonyms:

Integrin alpha-L, LFA1, LFA-1

Product images:

Surface staining of murine splenocytes using anti-CD11a monoclonal antibody (cloneM17/4) purified.