

## Anti-Mouse CD11a SAFIRE Purified

Catalog Number :03222-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** M17/4

**Format/Conjugate:** SAFIRE Purified

**Concentration:** 1 mg/mL

**Reactivity:** Mouse

**Laser:** Not Applicable

**Peak Emission:** Not Applicable

**Peak Excitation:** Not Applicable

**Filter:** Not Applicable

**Brightness (1=dim,5=brightest):** Not Applicable

**Isotype:** Rat IgG2a, kappa

**Formulation:** Phosphate-buffered aqueous solution, pH7.2.

**Storage:** Product should be kept at 2-8°C.

**Applications:** FC, FA

### Description

The M17/4 monoclonal antibody specifically reacts with mouse CD11a, a 180kDA glycoprotein. CD11a is the integrin alpha L chain that forms with CD18 the heterodimer molecule Lymphocyte Function-associated Antigen-1 (LFA-1). LFA-1 is expressed on all leukocytes and is involved in intercellular adhesions. The M17/4 antibody blocks many of the LFA-1 mediated cell interaction and in vivo it prolongs allograft survival, inhibits the autoimmune response, and reduces graft versus host reactions.

### Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

### References

- 1.Saban, M. R., Saban, R., Bjorling, D., Haak-Frendscho, M. (1997). Involvement of leukotrienes, TNF-alpha, and the LFA-1/ICAM-1 interaction in substance P-induced granulocyte infiltration.;Journal of leukocyte biology,61(4), 445-451.
2. Zhao, Y., Iwata, M. (1995). Cross-linking of the TCR/CD3 complex with CD4, CD8 or LFA-1 induces an anti-apoptotic signal in thymocytes: the signal is canceled by FK506.;International immunology,;7(9), 1387-1396.
3. Kootstra, C. J., Van Der Giezen, D. M., Van Krieken, J. H. J. M., De Heer, E., Bruijn, J. A. (1997). Effective treatment of experimental lupus nephritis by combined administration of anti-CD11a and anti-CD54 antibodies.;Clinical Experimental Immunology,;108(2), 324-332.