

## APC Anti-Human CD11a Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
H20112-11G	25 tests
H20112-11H	100 tests

**Market** | 400-621-0003  
marketing@sungenebiotech.com

**Support** | 022-66211636-8024  
techsupport@sungenebiotech.com

**Web** | www.sungenebiotech.com

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

### Purified Antibody Characterization

Clone	Isotype	Reactivity
HI11a	Mouse IgG1	Human

### Description

CD11a is a 170-180 kD type I transmembrane glycoprotein also known as LFA-1 $\alpha$  chain and integrin  $\alpha$  L subunit. CD11a non-covalently associates with integrin  $\beta$ 2 (CD18) to form LFA-1. It is expressed on all leukocytes, including B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils. It is absent on non-hematopoietic tissues and platelets. CD11a plays a central role in leukocyte cell-cell interactions and is important in lymphocyte costimulation. CD11a/CD18 binds to ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50).

### Product Information

**Conjugation:** APC

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used from 20  $\mu$ L to 5  $\mu$ L per 100  $\mu$ L of peripheral blood. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

### References

- [1] Knapp W, et al. 1989. Leucocyte Typing IV. Oxford University Press New York.
- [2] Leite F, et al. 2002. *Infect. Immun.* 70:4336.
- [3] Jiang Y, et al. 2005. *Clin. Hemorheol. Microcircul.* 32:261.
- [4] Béchard D, et al. 2001. *J. Immunol.* 167:3099.
- [5] Sithu SD, et al. 2007. *J. Biol. Chem.* doi:10.1074/jbc.M611273200.
- [6] Choi EY, et al. 2008. *Blood* 111:3607. PubMed.
- [7] Yoshino N, et al. 2000. *Exp. Anim. (Tokyo)* 49:97.
- [8] Ma Q, et al. 2002. *J. Biol. Chem.* 277:10638.

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