

### **Product datasheet**

## anti-CD11a mouse monoclonal, 87-6F9, purified

#### Short overview

**Cat. No.** 691559

Quantity1 ml (100  $\mu$ g/ml)Concentration100  $\mu$ g/ml

### **Product description**

HostMouseAntibody TypeMonoclonalIsotypeIgG2b kappaClone87-6F9

ImmunogenStimulated human leucocytesFormulationPBS with 0.02% sodium azide

UniprotID P20701 (Human)

Synomym Integrin alpha-L, CD11 antigen-like family member A, Leukocyte adhesion glycoprotein LFA-1

alpha chain, LFA-1A, Leukocyte function-associated molecule 1 alpha chain, CD antigen CD11a,

ITGAL, CD11A

Conjugate Unconjugated

**Purification** Affinity chromatography

Storage 2-8°C

Intended use Research use only
Application FACS, ICC/IF, IHC, WB

Reactivity Human

#### **Applications**

Flow Cytometry (FACS) 0.5-1.0 μg/million cells in 0.1 ml

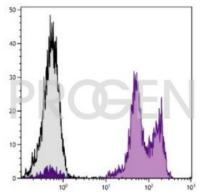
Immunocytochemistry (ICC)Assay dependentImmunohistochemistry (IHC) - frozen1:50-1:100 (1-2 μg/ml)Western Blot (WB)1:50-1:100 (1-2 μg/ml)

#### Background

87-6F9 reacts with CD11a, a transmembrane molecule with 1,145 amino acid residues and a MW of 180 kDa. CD11a is expressed on lymphocytes, granulocytes, monocytes and macrophages. Levels on memory T-cells tend to increase. CD11a plays a key role in mediating leucocyte adhesion to endothelium during inflammatory response through binding to ICAM 1 (CD54). Other ligands are ICAM-2 and ICAM-3. It is also involved in many other T-cell functions and immune phenomena. When paired with CD18, it forms the integrin alphaLbeta2 adhesion. 87-6F9 potently blocks LFA-1 dependent homotypic cell aggregation and was typed in the IVth International Leucocyte Typing Workshop.

Positive control: human leucocytes.

# **Product images**



FACS with human peripheral blood lymphocytes (PBL)