

## Product datasheet

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

#### Short overview

<b>Cat. No.</b>	691559
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2b kappa
<b>Clone</b>	87-6F9
<b>Immunogen</b>	Stimulated human leucocytes
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P20701 (Human)
<b>Synonym</b>	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
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC, WB
<b>Reactivity</b>	Human

#### Applications

<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Western Blot (WB)</b>	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 potentially blocks LFA-1 dependent homotypic cell aggregation and was typed in the IVth International Leucocyte Typing Workshop.

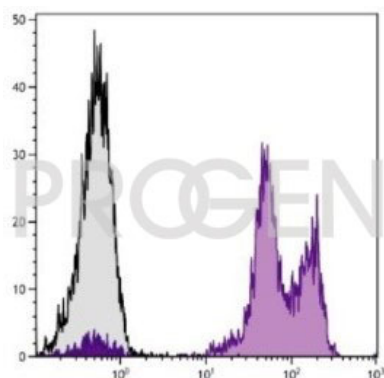
Positive control: human leucocytes.

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## Product images



FACS with human peripheral blood lymphocytes (PBL)