



# Anti-ITGAL monoclonal antibody, clone I21/7 [R-PE] (CABT-45397RM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD11a antibody, clone I21/7 recognizes murine CD11a, a ~170-180kDa type I membrane glycoprotein, also known as the integrin alpha L subunit. CD11a is a member of the integrin family of adhesion molecules. CD11a is expressed on all leucocytes and associates with CD18 to form a heterodimer at the cell surface. The CD11a/CD18 heterodimer binds to intercellular adhesion molecules (ICAM); ICAM1, ICAM-2 and ICAM-3 and is involved in cell-cell adhesion processes. Rat anti Mouse CD11a antibody, clone I21/7 is reported to block the cytolytic activity of cytotoxic T cell lines. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.

<b>Specificity</b>	ITGAL
<b>Immunogen</b>	Whole BW5147 cells
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	I21/7
<b>Conjugate</b>	PE
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
<b>Size</b>	100 tests
<b>Preservative</b>	0.09% Sodium Azide

<b>Storage</b>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Itgal integrin alpha L [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	ITGAL
<b>Synonyms</b>	ITGAL; integrin alpha L; Cd11a; LFA-1; Ly-15; Ly-21; (p180); LFA-1A; integrin alpha-L; alpha L integrin; lymphocyte antigen 15; CD11 antigen-like family member A; leukocyte adhesion glycoprotein LFA-1 alpha chain; leukocyte function-associated molecule 1
<b>Entrez Gene ID</b>	<a href="#">16408</a>
<b>Protein Refseq</b>	<a href="#">NP_001240801</a>
<b>UniProt ID</b>	P24063
<b>Chromosome Location</b>	7 F3; 7 69.44 cM
<b>Pathway</b>	Adaptive Immune System; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Epstein-Barr virus infection; Extracellular matrix organization; Focal Adhesion; HTLV-I infection; Hemostasis;
<b>Function</b>	ICAM-3 receptor activity; cell adhesion molecule binding; metal ion binding; protein complex binding; protein heterodimerization activity;