

Datasheet for ABIN375486

anti-ITGAL antibody[Go to Product page](#)**4** Images**1** Publication

Overview

Quantity:	500 µg
Target:	ITGAL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ITGAL antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (IHC)

Product Details

Clone:	38
Isotype:	IgG2a
Characteristics:	The antibody detects: Human CD11a (LFA-1 α) To insure lot to lot consistency, each batch of product is tested by flow cytometry to conform with the characteristics of a standard reference reagent.
Purification:	Purified
Endotoxin Level:	Low Endotoxin

Target Details

Target:	ITGAL
Alternative Name:	CD11a/LFA-1a (ITGAL Products)

Target Details

Background: CD11a, also known as leukocyte function-associated antigen-1 (LFA-1 α), represents the 180 kDa integrin α L subunit which combines with the CD18 β 2 integrin subunit to form the α L β 2 integrin heterodimer. It is expressed on lymphocytes, granulocytes, monocytes, and macrophages and is upregulated on activated T cells. CD11a/LFA-1 α mediates adhesion of lymphocytes to vascular endothelium and is involved in costimulation.

Pathways: [Activated T Cell Proliferation](#), [Integrin Complex](#)

Application Details

Application Notes: Working Dilution:
 $\leq 1 \mu\text{g}/10^6$ cells
Representative data are included in this product insert.

Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Comment: Blocking studies, cell adhesion, cytotoxicity

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Preservative: Azide free

Handling Advice: Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: -20 °C

Storage Comment: Aliquot and freeze the low endotoxin, azide-free product at -20 °C immediately upon receipt.

Publications

Product cited in: Venet, Ribeiro, Décembre, Bellomo, Joshi, Nuovo, Villard, Cluet, Perret, Pescamona, Paidassi, Walzer, Allatif, Belot, Trouillet-Assant, Ricci, Dreux: "Severe COVID-19 patients have impaired plasmacytoid dendritic cell-mediated control of SARS-CoV-2." in: **Nature communications**, Vol. 14, Issue 1, pp. 694, (2023) ([PubMed](#)).

Flow Cytometry

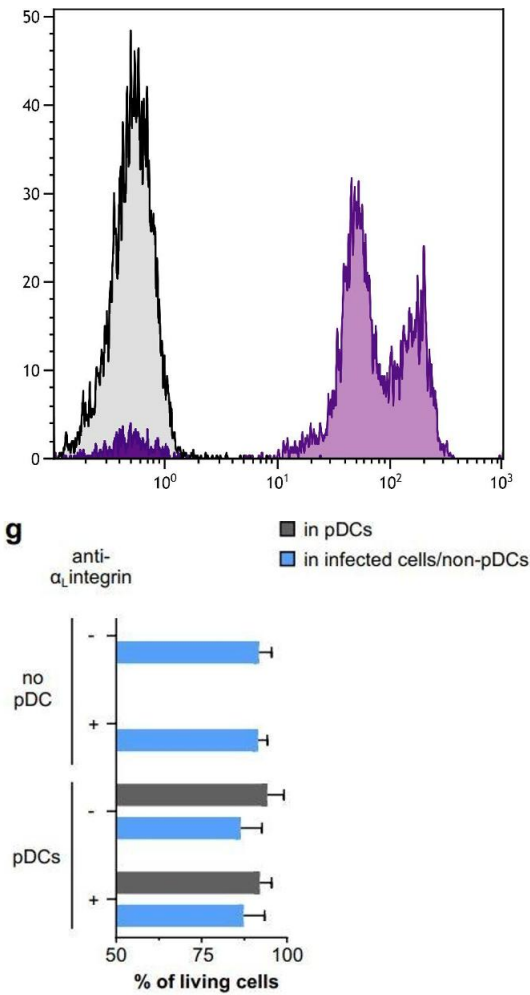
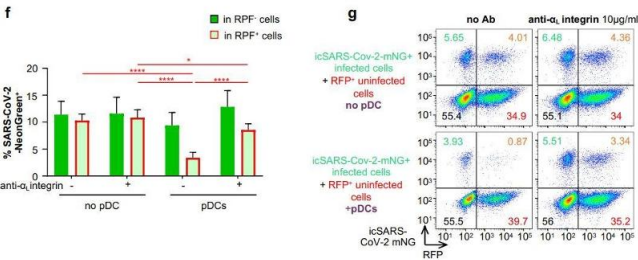
Image 1. A549-ACE2 cells were infected by icSARS-CoV-2-mNG for 24 hours and then cocultured with isolated pDCs for 48 hours. Cocultured cells were treated or not with anti- α L integrin blocking antibody (10 μ g/mL). Viral transmission from icSARS-CoV-2-mNG+infected cells to RFP+ uninfected cells in cocultures with pDC or without pDCs (no pDC) was quantified by flow cytometry (f) and representative dot plots (g). Results are expressed as the percentage of cells positive for mNeonGreen (mNG+) in the RFP+ (red numbers) and RFP- (green numbers) cell populations. Means \pm SD; n=4-5 independent experiments. Source: DOI 10.1101/2021.09.01.21262969

Flow Cytometry

Image 2. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD11a-PE.

Flow Cytometry

Image 3. icSARS-CoV-2-mNG-infected A549-ACE2 were cultured alone (no pDC) or cocultured with pDCs in the presence or absence of anti- α L integrin blocking antibody for 48 hours. Quantification by flow cytometry of the frequency of living cells using live-dead marker in the gated pDCs (stained with CellTrace™ Violet prior to coculture) and infected cells/nonpDC. Bars represent means \pm SD; n=3-5 independent experiments using distinct healthy donors. Source: DOI /10.1101/2021.09.01.21262969



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN375486.