

## Basic Information

<b>Product Name</b>	Anti-CD11a/Integrin Alpha L/ITGAL Antibody
<b>Gene Name</b>	ITGAL
<b>Source</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human
<b>Tested Application</b>	WB, FCM
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	E.coli-derived human CD11a recombinant protein (Position: F161-L349). Human CD11a shares 73.7% amino acid (aa) sequence identity with mouse CD11a.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Immunogen affinity purified.
<b>Observed MW</b>	180 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed):1:50-200

## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

CD11a, also known as ITGAL or LFA-1, is a human gene which functions in the immune system. It is mapped to 16p11.2. CD11a is involved in cellular adhesion and costimulatory signaling. It is the target of the drug efalizumab. CD11a encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LFA-1), which is expressed on all leukocytes. CD11a plays a central role in leukocyte intercellular adhesion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. It is one of the two components, along with CD18, which form lymphocyte function-associated antigen-1.

## Reference

Anti-CD11a/Integrin Alpha L/ITGAL Antibody被引用在2文献中。

## Selected Validation Data



Western blot analysis of CD11a/Integrin Alpha L/ITGAL using anti-CD11a/Integrin Alpha L/ITGAL antibody (A04466-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: JURKAT whole cell lysates,

Lane 2: CEM whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD11a/Integrin Alpha L/ITGAL antigen affinity purified polyclonal antibody (A04466-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD11a/Integrin Alpha L/ITGAL at approximately 180 kDa. The expected band size for CD11a/Integrin Alpha L/ITGAL is at 129 kDa.