

Anti-CD11a/ITGAL Antibody Picoband® Biotin Conjugated

Catalog Number: A04466-1-Biotin

About ITGAL

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.

Overview

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| Product Name | Anti-CD11a/ITGAL Antibody Picoband® Biotin Conjugated |
| Reactive Species | Human |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P20701 |

Technical Details

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| Immunogen | E.coli-derived human CD11a recombinant protein (Position: F161-L349). Human CD11a shares 73.7% amino acid (aa) sequence identity with mouse CD11a. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Biotin |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements. |

2 Publications Citing This Product

1. PubMed ID: 10.1016/j.ejphar.2005.12.080, Protective effect of bicyclol on acute hepatic failure induced by lipopolysaccharide and d-galactosamine in mice
2. PubMed ID: 25691929, Mu L, Jing C, Guo Z. Iran J Basic Med Sci. 2014 Nov;17(11):874-8. Expressions Of Cd11A, Cd11B, And Cd11C Integrin Proteins In Rats With Myocardial Hypertrophy.

Visit bosterbio.com/anti-cd11a-picoband-trade-antibody-a04466-1-boster.html to see all 2 publications.

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