

RecomAb™

HuAb

# ITGAL humanized monoclonal antibody, clone hu1124 (Efalizumab)

Catalog # RAB00051      Size 200 ug

## Specification

|                     |                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| Product Description | Humanized recombinant monoclonal antibody raised against human ITGAL.                                                     |
| Antibody Species    | Human                                                                                                                     |
| Immunogen           | Original antibody is raised against human ITGAL.                                                                          |
| Reactivity          | Human                                                                                                                     |
| Specificity         | This antibody binds to human ITGAL.                                                                                       |
| Form                | Liquid                                                                                                                    |
| Purification        | Protein A affinity purification                                                                                           |
| Isotype             | Human IgG1, kappa                                                                                                         |
| Recommend Usage     | Blocking<br>Flow Cytometry (1 ug/mL)<br>The optimal working dilution should be determined by the end user.                |
| Storage Buffer      | In PBS, pH 7.2 (0.02% Proclin 300)                                                                                        |
| Storage Instruction | Store at 4°C for up to 3 months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| Note                | Efalizumab binds to the LFA-1 alpha I domain blocking the ICAM-1 binding site via steric hindrance.                       |

## Applications

- Blocking
- Flow Cytometry

## Gene Info — ITGAL

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3683</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Accession# | <a href="#">P20701</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name          | ITGAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Alias         | CD11A, LFA-1, LFA1A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description   | integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID            | <a href="#">153370</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Summary       | ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This L-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. LFA-1 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq] |
| Other Designations | LFA-1 alpha antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide integrin alpha L integrin gene promoter lymphocyte function-associated antigen 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Stomach Ulcer](#)