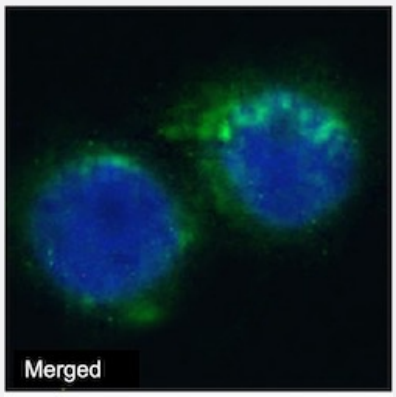
RecomAb™

# ITGAL recombinant monoclonal antibody, clone MHM24

Catalog # RAB03155 Size 200 ug

## Applications




### Immunofluorescence

Immunofluorescent staining of Jurkat cells using ITGAL recombinant monoclonal antibody, clone MHM24 (Cat # RAB03155). Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03155 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing diffuse membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody (3.0) followed by Alexa Fluor® 488 secondary antibody.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human ITGAL. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against EBV-transformed human lymphoblastoid cells. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Isotype** | IgG |
| **Recommend Usage** | Flow Cytometry<br>Inhibition Assay<br>Immunofluorescence<br>The optimal working dilution should be determined by the end user. |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Storage Buffer** | In PBS with 0.02% Proclin 300 |
| **Storage Instruction** | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunofluorescence

  Immunofluorescent staining of Jurkat cells using ITGAL recombinant monoclonal antibody, clone MHM24 (Cat # RAB03155). Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03155 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing diffuse membrane staining. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody (3.0) followed by Alexa Fluor® 488 secondary antibody.

- Flow Cytometry

- Inhibition Assay

## Gene Info — ITGAL

| | |
|---|---|
| **Entrez GeneID** | 3683 |
| **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** | 153370 |
| **Gene Ontology** | Hyperlink |
| **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 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. 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 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.