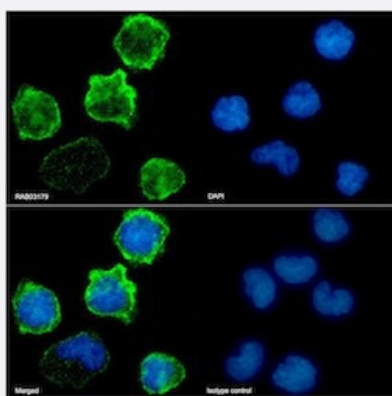


RecomAb™

ITGB2 recombinant monoclonal antibody, clone 60.3

Catalog # RAB03179 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Jurkat cells with ITGB2 recombinant monoclonal antibody, clone 60.3 (Cat # RAB03179).

Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03179 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03179- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.

Specification

Product Description Rabbit recombinant monoclonal antibody raised against human ITGB2.

Antibody Species Rabbit

Immunogen Original antibody is raised against alloantigen activated T cells.

Reactivity Human

Form Liquid

Isotype IgG

Recommend Usage Blocking
ELISA
Immunofluorescence
Inhibition Assay
Western Blot
The optimal working dilution should be determined by the end user.

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.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

- Immunofluorescence

Immunofluorescent staining of Jurkat cells with ITGB2 recombinant monoclonal antibody, clone 60.3 (Cat # RAB03179). Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03179 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03179- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Inhibition Assay

- Blocking

Gene Info — ITGB2

Entrez GeneID[3689](#)**Gene Name**

ITGB2

Gene Alias

CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7

Gene Description

integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)

Omim ID[116920 600065](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combine with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations

CD18 subunit|OTTHUMP00000115278|OTTHUMP00000115279|OTTHUMP00000115281|OTTHUMP00000115282|beta 2 integrin subunit|cell surface adhesion glycoprotein LFA-1/CR3/P150, 959 beta subunit precursor)|complement receptor C3 beta-subunit|integrin beta 2|integrin bet

Pathway

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

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Constriction](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)

- [Disease Progression](#)
- [Edema](#)
- [Enterocolitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hirschsprung Disease](#)
- [Hypercholesterolemia](#)
- [Infant](#)
- [Inflammation](#)
- [Intracranial Thrombosis](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Parkinson disease](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stroke](#)

- [Thyroid Neoplasms](#)
- [Werner syndrome](#)