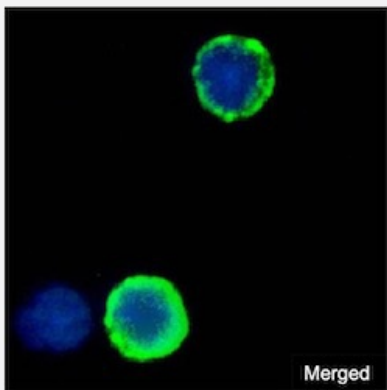


RecomAb™

ITGB2 recombinant monoclonal antibody, clone 1B4

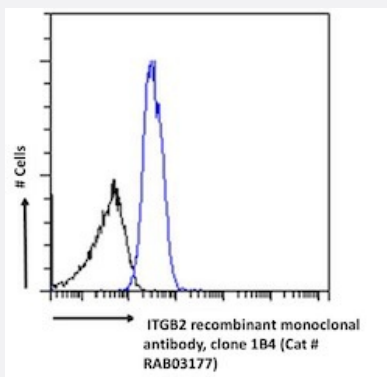
Catalog # RAB03177 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of human peripheral blood monocytes with ITGB2 recombinant monoclonal antibody, clone 1B4 (Cat # RAB03177). Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood monocytes immobilized on Shi-fix™ cover-slips and stained with the chimeric r version of RAB03177 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining in a subset of cells. 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

Flow cytometric analysis of human peripheral blood leukocytes with ITGB2 recombinant monoclonal antibody, clone 1B4 (Cat # RAB03177). Human peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (isotype control- black line) or the r1 version of RAB03177 (blue line) at a dilution of 1:100 for 1h at RT. After washing- bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ITGB2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against monocytes.
Reactivity	Human, Macaque

Form	Liquid
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence Immunoprecipitation Radioimmunoassay 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

- Immunofluorescence

Immunofluorescent staining of human peripheral blood monocytes with ITGB2 recombinant monoclonal antibody, clone 1B4 (Cat # RAB03177).

Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood monocytes immobilized on Shi-fix™ coverslips and stained with the chimeric r version of RAB03177 at 10 ug/ml followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining in a subset of cells. The nuclear stain is DAPI (blue). The isotype control was stained with anti-Fluorescein antibody (3.0) followed by Alexa Fluor® 488 secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

- Radioimmunoassay

- Flow Cytometry

Flow cytometric analysis of human peripheral blood leukocytes with ITGB2 recombinant monoclonal antibody, clone 1B4 (Cat # RAB03177).

Human peripheral blood leukocytes were stained with anti-Fluorescein IgG antibody (isotype control- black line) or the r1 version of RAB03177 (blue line) at a dilution of 1:100 for 1h at RT. After washing- bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

- Flow Cytometry

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](#)