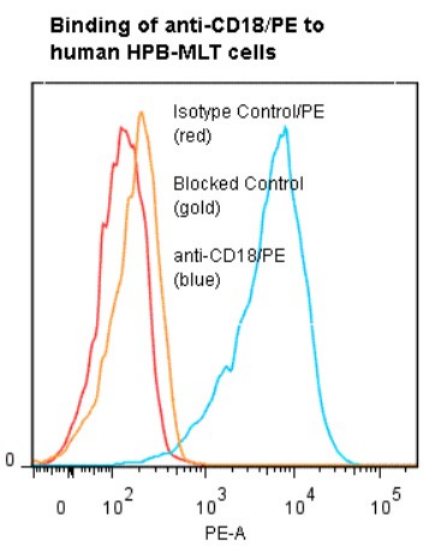
CD18 monoclonal antibody, clone IB4 (RPE)

Catalog # MAB23705 Size 200 uL

Applications



Specification

Product Description	Mouse monoclonal antibody raised against human CD18.
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	RPE
Isotype	IgG2a
Available Test	120 tests
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate pH 7.5, 500 mM potassium chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% sodium azide.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Instruction	Store in the dark at 4°C. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- 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 integri n beta chain beta 2. A given chain may combine with multiple partners resulting in different integri ns. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combine s with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhes ion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte ad hesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been ide ntified for this gene. [provided by RefSeq
Other Designations	CD18 subunit|OTTHUMP00000115278|OTTHUMP00000115279|OTTHUMP00000115281|OTT HUMP00000115282|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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.