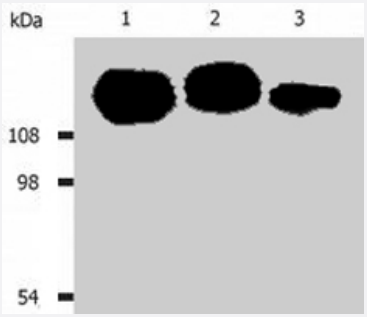
ITGB1 monoclonal antibody, clone MEM-101A

Catalog # MAB0883 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blotting analysis (non - reducing conditions) of isolated peripheral blood lymphocytes of various species using ITGB1 monoclonal antibody, clone MEM - 101A (Cat # MAB0883) . Lane 1 : Lysate of human PBL. Lane 2 : Lysate of canine PBL. Lane 3 : Lysate of porcine PBL.

Specification

Product Description	Mouse monoclonal antibody raised against native ITGB1.
Immunogen	Native purified ITGB1 from leukocytes of a patient suffering from a LGL-type leukemia.
Host	Mouse
Theoretical MW (kDa)	130
Reactivity	Dog, Human, Pig
Specificity	This antibody reacts with CD29 (integrin beta chain), a 130 KDa single chain type I glycoprotein expr essed as a heterodimer (non-covalently associated with the integrin alpha subunits 1-6). CD29 is bro adly expressed on majority of hematopoietic and non-hematopoietic cells (leukocytes, platelets, fibro blasts, endothelial cells, epithelial cells and mast cells).
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Instruction	Store at 4°C. Do not freeze. 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
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western blotting analysis (non - reducing conditions) of isolated peripheral blood lymphocytes of various species using ITGB1 monoclonal antibody, clone MEM - 101A (Cat # MAB0883) . Lane 1 : Lysate of human PBL. Lane 2 : Lysate of canine PBL. Lane 3 : Lysate of porcine PBL.

Gene Info — ITGB1

Entrez GeneID	3688
Gene Name	ITGB1
Gene Alias	CD29, FNRB, GPIIA, MDF2, MSK12, VLA-BETA, VLAB
Gene Description	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
Omim ID	135630
Gene Ontology	Hyperlink
Gene Summary	Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptor s involved in cell adhesion and recognition in a variety of processes including embryogenesis, he mostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene enco des a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000019420|OTTHUMP00000046253|OTTHUMP00000063731|OTTHUMP000000 63732|OTTHUMP00000063733|fibronectin receptor beta subunit|integrin VLA-4 beta subunit|inte grin beta 1

Pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Axon guidance
- Cell adhesion molecules (CAMs)
- ECM-receptor interaction
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Leukocyte transendothelial migration
- Pathogenic Escherichia coli infection - EHEC
- Pathways in cancer
- Regulation of actin cytoskeleton
- Small cell lung cancer

Disease

- Alzheimer Disease
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Chylothorax
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Inflammation
- Myocardial Infarction
- Ovarian Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Prostatic Neoplasms
- Recurrence
- Stroke

Copyright © 2023 Abnova Corporation. All Rights Reserved.