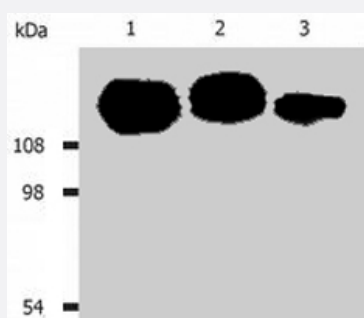


ITGB1 monoclonal antibody, clone MEM-101A

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 expressed as a heterodimer (non-covalently associated with the integrin alpha subunits 1-6). CD29 is broadly expressed on majority of hematopoietic and non-hematopoietic cells (leukocytes, platelets, fibroblasts, 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)

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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunoprecipitation

- Flow Cytometry

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 receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hematopoiesis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes 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 OTTHUMP00000063732 OTTHUMP00000063733 fibronectin receptor beta subunit integrin VLA-4 beta subunit integrin beta 1

Pathway

- [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](#)

- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Stroke](#)