Itgb2 monoclonal antibody, clone M18/2

Catalog # MAB7917 Size 100 ug

Specification

Product Description	Rat monoclonal antibody raised againt native Itgb2.
Immunogen	Native purified Itgb2 from mouse cytotoxic T cell glycoproteins.
Host	Rat
Theoretical MW (kDa)	95
Reactivity	Mouse
Specificity	This antibody recognizes Itgb2 antigen (integrin beta2 subunit; beta 2 integrin), a 95 KDa type I trans membrane protein expressed on all leukocytes.
Form	Liquid
Isotype	IgG2a
Recommend Usage	Flow Cytometry (1 ug/mL) Functional Study Immunohistochemistry Immunoprecipitation Western Blot 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 shoul d be handled by trained staff only.

Applications

- Functional Study

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- Immunohistochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot
- Blocking

Gene Info — Itgb2

Entrez GeneID	16414
Gene Name	Itgb2
Gene Alias	2E6, AI528527, Cd18, LAD, LCAMB, Lfa1, MF17
Gene Description	integrin beta 2
Gene Ontology	Hyperlink
Other Designations	Mac-1 beta|OTTMUSP00000021575|lymphocyte function associated antigen 1|macrophage antigen-1 beta

Publication Reference

- Neutrophil-selective CD18 silencing using RNA interference in vivo.

  Cullere X, Lauterbach M, Tsuboi N, Mayadas TN.

  Blood 2008 Apr; 111(7):3591.

  Application: Flow Cyt, Mouse, Mouse peripheral blood leukocytes

- Active MAC-1 (CD11b/CD18) on DCs inhibits full T-cell activation.

  Varga G, Balkow S, Wild MK, Stadtbaeumer A, Krummen M, Rothoeft T, Higuchi T, Beissert S, Wethmar K, Scharffetter-Kochanek K, Vestweber D, Grabbe S.

  Blood 2007 Jan; 109(2):661.

  Application: Func, Mouse, Mouse dendritic cells

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- CD18 deficiency protects against multiple low-dose streptozotocin-induced diabetes.

  Barlow SC, Langston W, Matthews KM, Chidlow JH Jr, Kevil CG.

  The American Journal of Pathology 2004 Dec; 165(6):1849.

- Targeted disruption of the CD18 or ICAM-1 gene inhibits choroidal neovascularization.

  Sakurai E, Taguchi H, Anand A, Ambati BK, Gragoudas ES, Miller JW, Adamis AP, Ambati J.

  Investigative Ophthalmology & Visual Science 2003 Jun; 44(6):2743.

  Application: IHC-P, Mouse, Mouse eyes

- Molecular mechanisms of IL-2 gene regulation following costimulation through LFA-1.

  Abraham C, Miller J.

  Journal of Immunology 2001 Nov; 167(9):5193.

  Application: ELISA, Func, Mouse, T cells

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