ITGAX monoclonal antibody, clone 3.9

Catalog # MAB5620 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native ITGAX.
Immunogen	Native purified ITGAX from human rheumatoid synovial fluid cells and fibronectin purified human mon ocytes.
Host	Mouse
Reactivity	Human
Specificity	human CD11c.
Form	Liquid
Purification	Ammonium sulfate precipitation
Isotype	IgG1
Recommend Usage	Flow Cytometry (1 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In 100 mM BBS, pH 8.2
Storage Instruction	Store at 4°C.

Applications

- Flow Cytometry

Gene Info — ITGAX

Entrez GeneID	3687
Gene Name	ITGAX

Gene Alias	CD11C, SLEB6
Gene Description	integrin, alpha X (complement component 3 receptor 4 subunit)
Omim ID	151510
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membr ane proteins composed of an alpha chain and a beta chain. This protein combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as inactivated-C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integ rin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phag ocytosis of complement coated particles. [provided by RefSeq
Other Designations	OTTHUMP00000163299|integrin alpha X|integrin, alpha X (antigen CD11C (p150), alpha polype ptide)|leu M5, alpha subunit|leukocyte surface antigen p150,95, alpha subunit|myeloid membrane antigen, alpha subunit|p150 95 integrin alpha chain

Publication Reference

- The Mac-1 and p150,95 beta 2 integrins bind denatured proteins to mediate leukocyte cell-substrate adhesion.

  G E Davis.

  Experimental Cell Research 1992 Jun; 200(2):242.

- Structure and function of leukocyte integrins.

  Larson RS, Springer TA.

  Immunological Reviews 1990 Apr; 114:181.

  Application: Flow Cyt, Human, Leukocytes, Mammalian cells

- The p150,95 molecule is a marker of human mononuclear phagocytes: comparison with expression of class II molecules.

  Hogg N, Takacs L, Palmer DG, Selvendran Y, Allen C.

  European Journal of Immunology 1986 Mar; 16(3):240.

  Application: IHC, IP, Human, Brains, Dermatopathic lymphadenopathy sample, Gut, Hair-cell leukemia, Lung, Monocytes, Neutrophils, Skin, Spleen, Tonsil, U937 cells

Pathway

- Regulation of actin cytoskeleton

Disease

- Genetic Predisposition to Disease
- Helicobacter Infections
- Lupus Erythematosus
- Stomach Ulcer