

Datasheet

ITGAX monoclonal antibody, clone 3.9 (PE)

Catalog Number: MAB6037

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native ITGAX.

Clone Name: 3.9

Immunogen: Native purified from human rheumatoid synovial fluid cells and fibronectin purified human monocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IHC-Fr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Specificity human CD11c

Form: Liquid

Conjugation: PE

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul/10⁶ cells)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3687

Gene Symbol: ITGAX

Gene Alias: CD11C, SLEB6

Gene Summary: This gene encodes the integrin alpha X chain protein. Integrins are heterodimeric integral membrane 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 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. [provided by RefSeq]

References:

1. The Mac-1 and p150,95 beta 2 integrins bind denatured proteins to mediate leukocyte cell-substrate adhesion. Davis GE. Exp Cell Res. 1992 Jun;200(2):242-52.
2. Structure and function of leukocyte integrins. Larson RS, Springer TA. Immunol Rev. 1990 Apr;114:181-217.
3. 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. Eur J Immunol. 1986 Mar;16(3):240-8.