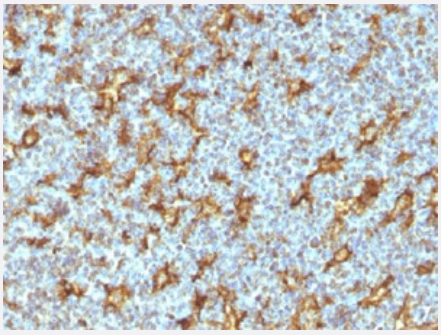
ITGAX monoclonal antibody, clone ITGAX/1242

Catalog # MAB14686 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with ITGAX monoclonal antibody, clone ITGAX/1242 (Cat # MAB14686).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human ITGAX.
Immunogen	Recombinant protein corresponding to amino acids 637-827 of human ITGAX (exact sequence is proprietary).
Host	Mouse
Theoretical MW (kDa)	145
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS.

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Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with ITGAX monoclonal antibody, clone ITGAX/1242 (Cat # MAB14686).

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

- CD11c gene expression in hairy cell leukemia is dependent upon activation of the proto-oncogenes ras and junD.

  Nicolaou F, Teodoridis JM, Park H, Georgakis A, Farokhzad OC, Böttinger EP, Da Silva N, Rousselot P, Chomienne C, Ferenczi K, Arnaout MA, Shelley CS.

  Blood 2003 May; 101(10):4033.

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Pathway

- Regulation of actin cytoskeleton

Disease

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

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