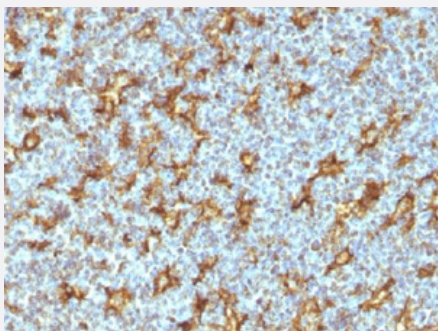


ITGAX monoclonal antibody, clone ITGAX/1242

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.

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 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]

Other Designations OTTHUMP00000163299|integrin alpha X|integrin, alpha X (antigen CD11C (p150), alpha polypeptide)|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.

Pathway

- [Regulation of actin cytoskeleton](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Lupus Erythematosus](#)
- [Stomach Ulcer](#)