B3GAT1 monoclonal antibody, clone TB01

Catalog # MAB5328 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native B3GAT1.
Immunogen	Native purified B3GAT1 from human neuroblastoma cells.
Host	Mouse
Reactivity	Human
Specificity	The monoclonal antibody recognizes the human CD57 molecule, expressed by NK cells and a subset of T cells.
Form	Liquid
Isotype	IgM
Recommend Usage	Immunohistochemistry (Frozen sections) (1:10-1:100) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-1:50) Flow Cytometry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Flow Cytometry

Gene Info — B3GAT1

Entrez GeneID	27087
Gene Name	B3GAT1
Gene Alias	CD57, GLCATP, GlcAT-P, GlcUAT-P, HNK-1, HNK1, LEU7, NK-1
Gene Description	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)
Omim ID	151290
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the glucuronyltransferase gene family. These en zymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anom eric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction duri ng the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD 57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by Ref Seq
Other Designations	CD57 antigen|LEU7 antigen|UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase|beta-1,3-glu curonyltransferase 1|galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1|glucuron osyltransferase P

Pathway

- Chondroitin sulfate biosynthesis
- Heparan sulfate biosynthesis
- Metabolic pathways