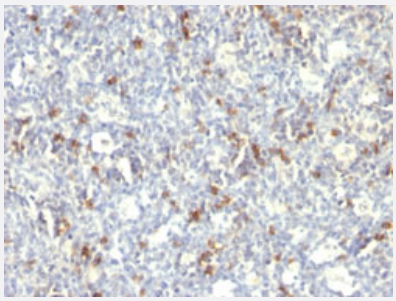
B3GAT1 monoclonal antibody, clone SPM129

Catalog # MAB13030 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen using B3GAT1 monoclonal antibody, clone SPM129 (Cat # MAB13030).

Specification

Product Description	Mouse monoclonal antibody raised against native human B3GAT1.
Immunogen	Human peripheral blood mononuclear cells.
Host	Mouse
Theoretical MW (kDa)	~110
Reactivity	Human
Form	Liquid
Purification	Polyethylene Glycol (PEG) precipitation
Isotype	IgM, kappa
Recommend Usage	Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen using B3GAT1 monoclonal antibody, clone SPM129 (Cat # MAB13030).

- Immunofluorescence

Gene Info — B3GAT1

Entrez GeneID	27087
Protein Accession#	Q9P2W7
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