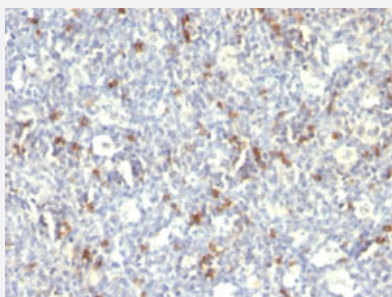


B3GAT1 monoclonal antibody, clone SPM129

Catalog # MAB13031 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 # MAB13031).

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
Isotype	IgM, kappa
Recommend Usage	Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL for 30 min 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 10 mM PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C.

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)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen using B3GAT1 monoclonal antibody, clone SPM129 (Cat # MAB13031).

- 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 enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during 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 RefSeq]

Other Designations CD57 antigen|LEU7 antigen|UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase|beta-1,3-glucuronyltransferase 1|galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1|glucuronosyltransferase P

Pathway

- [Chondroitin sulfate biosynthesis](#)
- [Heparan sulfate biosynthesis](#)

- [Metabolic pathways](#)