



Anti-B3GAT1 monoclonal antibody, clone TB01 [FITC] (CABT-48176MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD57 antibody, clone TB01 recognizes CD57, also known as HNK-1, an oligosaccharide antigenic determinant present on a variety of polypeptides, lipids and chondroitin sulphate proteoglycans. Its function is poorly understood. CD57 is present on a subset of NK and T cells. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood
Specificity	B3GAT1
Immunogen	Human neuroblastoma cells
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Human
Clone	TB01
Conjugate	FITC
Applications	FC
Format	Purified IgM conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 tests
Preservative	See individual product datasheet
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend

GENE INFORMATION

Gene Name	B3GAT1 beta-1,3-glucuronyltransferase 1 [Homo sapiens (human)]
Official Symbol	B3GAT1
Synonyms	B3GAT1; beta-1,3-glucuronyltransferase 1; NK1; CD57; HNK1; LEU7; NK-1; GLCATP; GLCUATP; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; glcUAT-P; LEU7 antigen; glucuronosyltransferase P; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltrans
Entrez Gene ID	27087
Protein Refseq	NP_061114
UniProt ID	Q9P2W7
Chromosome Location	11q25
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis; Chondroitin sulfate/dermatan sulfate metabolism; Defective B3GAT3 causes JDSSDHD; Defective B4GALT1 causes B4GALT1-CDG (CDG-2d); Defective B4GALT7 causes EDS, progeroid type; Defective CHST14 causes EDS, musculocontractural type; Defective CHST3 causes SEDCJD; Defective CHST6 causes MCDC1;
Function	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase activity; metal ion binding;