



Magic™ Anti-B3GAT1 monoclonal antibody, clone UB02 [FITC] (DMAB5215MH)

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

PRODUCT INFORMATION

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| Product Overview | The Anti-CD57 conjugate has been produced from a purified monoclonal mouse antibody. DMAB5215MH is intended for use in flow cytometry. The antibody is intended for use in identification of cells expressing CD57. CD57 was originally identified as a natural killer cell marker. |
| Specificity | Anti-CD57 was included in the Sixth International Workshop and Conference on Human Leucocyte Differentiation Antigens, and studies by a number of laboratories confirmed its reactivity with CD57. The antibody recognizes the CD57 carbohydrate epitope present on several surface molecules. In the nervous system this epitope is particularly prominent on myelin-associated glycoprotein (MAG). The epitope for UB02 is neuraminidase and bromelain-sensitive, but trypsin-resistant. |
| Immunogen | A pool of human neuroblastoma cell lines. |
| Isotype | IgM |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | UB02 |
| Conjugate | FITC |
| Format | liquid form in buffer containing 1% bovine serum albumin (BSA) and 15 mmol/L Na ₃ PO ₄ , pH 7.2. |
| Preservative | 15 mmol/L Sodium Azide |
| Storage | Store in the dark at 2°C-8°C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the conditions must be verified by the user. There are no obvious signs to indicate instability of |

this product. Therefore, positive and negative controls should be run simultaneously with patient specimens.

GENE INFORMATION

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| Gene Name | B3GAT1beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) [Homo sapiens] |
| Official Symbol | B3GAT1 |
| Synonyms | beta-1,3-glucuronyltransferase1 (glucuronosyltransferase P); CD57 antigen; GLCATP; GLCUATP; NK-1; LEU7;GlcAT-P; NK1; Glucuronosyltransferase P; OTTHUMP00000235432; UDP-GlcUA: glycoproteinbeta-1,3-glucuronyltransferase; galactosylgalactosylxylosylprotein3-beta-glucuronosyltransferase 1; EC2.4.1.135; glcUAT-P; CD57; LEU7 antigen;HNK1; GlcUAT-P; HNK-1; Beta-1,3-glucuronyltransferase 1; B3GAT1;EC=2.4.1.135; Short name=GlcAT-P; Short name=GlcUAT-P |
| Entrez Gene ID | 27087 |
| Protein Refseq | NP_473366 |
| UniProt ID | Q9P2W7 |
| Chromosome Location | 11q25 |
| Pathway | Glycosaminoglycanbiosynthesis-chondroitin sulfate; Glycosaminoglycan biosynthesis-heparansulfate; Glycosaminoglycan biosynthesis, linkage tetrasaccharide; Metabolicpathways |
| Function | UDP-galactose:beta-N-acetylglucosaminebeta-1,3-galactosyltransferase activity; galactosylgalactosylxylosylprotein3-beta-glucuronosyltransferase activity; metal ion binding; transferaseactivity |