

Datasheet

B3GAT1 monoclonal antibody, clone NK-1 (PE)

Catalog Number: MAB6074

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native B3GAT1.

Clone Name: NK-1

Immunogen: Native purified from human peripheral blood mononuclear cells.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IHC-Fr
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Specificity human CD57

Form: Liquid

Conjugation: PE

Isotype: IgM

Recommend Usage: Flow Cytometry (10 ul/10⁶ cells)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 27087

Gene Symbol: B3GAT1

Gene Alias: CD57, GLCATP, GlcAT-P, GlcUAT-P, HNK-1, HNK1, LEU7, NK-1

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 CD57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq]

References:

1. CD57+ T lymphocytes are derived from CD57-precursors by differentiation occurring in late immune responses. d'Angeac AD, Monier S, Pilling D, Travaglio-Encinoza A, Reme T, Salmon M. Eur J Immunol. 1994 Jul;24(7):1503-11.
2. Characterization of HNK-1+ (Leu-7) human lymphocytes. I. Two distinct phenotypes of human NK cells with different cytotoxic capability. Abo T, Cooper MD, Balch CM. J Immunol. 1982 Oct;129(4):1752-7.
3. A differentiation antigen of human NK and K cells identified by a monoclonal antibody (HNK-1). Abo T, Balch CM. J Immunol. 1981 Sep;127(3):1024-9.