

**ARG21391**  
**anti-CD57 antibody [NK-1] (Biotin)**

Package: 50 tests

Store at: 4°C

### Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [NK-1] recognizes CD57
Tested Reactivity	Hu
Tested Application	BL, FACS, ICC/IF, IHC-Fr, IHC-P, Puri, WB
Specificity	Human CD57.
Host	Mouse
Clonality	Monoclonal
Clone	NK-1
Isotype	IgM, kappa
Target Name	CD57
Species	Human
Immunogen	Membrane extract of the human lymphoblastoid cell line HSB-2
Conjugation	Biotin
Alternate Names	Glucuronosyltransferase P; CD57; LEU7; GlcAT-P; GLCATP; HNK1; GlcUAT-P; NK1; Beta-1,3-glucuronyltransferase 1; EC 2.4.1.135; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; GLCUATP; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; NK-1

### Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	FACS	10 µl/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	Puri	Assay-dependent
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

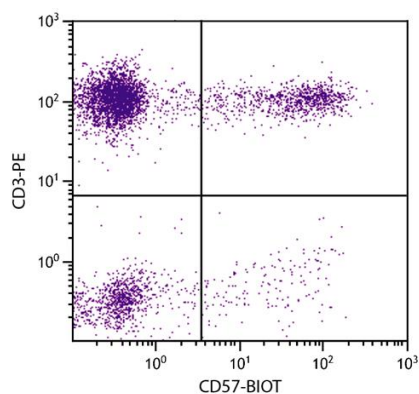
Form	Liquid
Buffer	PBS and 0.1% Sodium azide.

Preservative	0.1% Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 27087 Human</a> <a href="#">Swiss-port # Q9P2W7 Human</a>
Gene Symbol	B3GAT1
Gene Full Name	beta-1,3-glucuronyltransferase 1
Background	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, Jul 2008]
Function	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearoyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group (By similarity). [UniProt]
Calculated Mw	38 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing.

## Images



ARG21391 anti-CD57 antibody [NK-1] (Biotin) FACS image

Flow Cytometry: Human peripheral blood lymphocytes stained with ARG21391 anti-CD57 antibody [NK-1] (Biotin) and Mouse anti-Human CD3 antibody (PE) followed by Streptavidin (FITC).