

## ARG21389 anti-CD57 antibody [NK-1]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [NK-1] recognizes CD57
Tested Reactivity	Hu
Tested Application	BL, FACS, ICC/IF, IHC-Fr, IHC-P, IP, 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	Un-conjugated
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	< 1 µg/10 <sup>6</sup> cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	IP	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
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Buffer	BBS (pH 8.2)
Concentration	0.1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. 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: stearyl-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.