

ARG21393 anti-CD57 antibody [NK-1] (PE-Cyanine 5)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-Cyanine 5-conjugated Mouse Monoclonal antibody [NK-1] recognizes CD57
Tested Reactivity	Hu
Tested Application	BL, FACS, ICC/IF, IHC-Fr, IHC-P, 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	PE-Cyanine 5
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 ⁶ cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	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

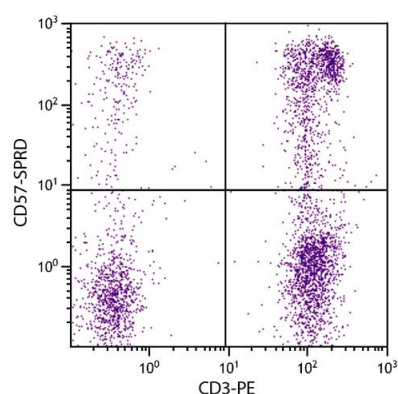
Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide

Stabilizer	Sucrose
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	GeneID: 27087 Human Swiss-port # Q9P2W7 Human
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.

Images



ARG21393 anti-CD57 antibody [NK-1] (PE-Cyanine 5) FACS image

Flow Cytometry: Human peripheral blood lymphocytes stained with ARG21393 anti-CD57 antibody [NK-1] (PE-Cyanine 5) and Mouse anti-Human CD3 antibody (PE).