ARG62441
anti-CD75 / ST6GAL1 antibody [LN1]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [LN1] recognizes CD75 / ST6GAL1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P
Specificity	Reacts with RBC precursors of bone marrow, ductal and ciliated epithelial cells of kidney, breast, prostate, pancreas, lung, and with glioblastomas, astrocytomas, and Reed Sternberg cells in lymphocyte predominant Hodgkin's disease. It is shown to be a helpful antibody for ascribing a B-cell phenotype in known lymphoid tissues.
Host	Mouse
Clonality	Monoclonal
Clone	LN1
Isotype	IgM
Target Name	CD75 / ST6GAL1
Species	Human
Immunogen	Tissue, cells or virus corresponding to Human CD75. Nuclei from pokeweed mitogen-stimulated peripheral blood lymphocytes.
Conjugation	Un-conjugated
Alternate Names	SIAT1; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1; B-cell antigen CD75; Sialyltransferase 1; ST6Gal I; Beta-galactoside alpha-2,6-sialyltransferase 1; EC 2.4.99.1; ST6N; Alpha 2,6-ST 1; ST6GalI

Application Instructions

Application table

Application	Dilution
FACS	5 - 10 µl/10^6 cells
ICC/IF	1:25 - 1:50
IHC-P	1:50 - 1:100

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

Properties

Form	Liquid
Buffer	1X PBS buffer with < 0.1% sodium azide.
Preservative	< 0.1% sodium azide.
Concentration	2 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 or below. 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	GeneID: 6480 Human Swiss-port # P15907 Human
Gene Symbol	ST6GAL1
Gene Full Name	ST6 beta-galactosamide alpha-2,6-sialyltranferase 1
Background	This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described. [provided by RefSeq, Aug 2009]
Function	Transfers sialic acid from CMP-sialic acid to galactose-containing acceptor substrates. [UniProt]
Research Area	Immune System antibody; Signaling Transduction antibody
Calculated Mw	47 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing. The HB-6, CDW75, and CD76 differentiation antigens are cell-surface carbohydrate determinants generated by this enzyme.
Cellular Localization	Golgi Apparatus; Golgi stack; Golgi stack membrane; single-pass type II membrane protein. Membrane-bound form in trans cisternae of Golgi. Secreted protein; body fluid.