ARG43870
anti-CD75 / ST6GAL1 antibody [LN1] (FITC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody recognize CD75 / ST6GAL1.
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	LN1
Isotype	IgM kappa
Target Name	CD75 / ST6GAL1
Species	Human
Immunogen	Stimulated Human PBL
Conjugation	FITC
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	1:25

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

Properties

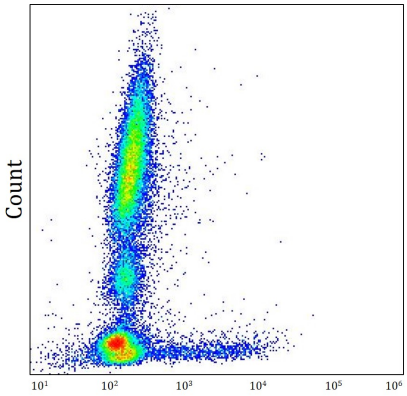
Form	Liquid
Purification	Purified
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Storage instruction	Do not freeze.

Bioinformation

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]
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.

Images



ARG43870 anti-CD75 / ST6GAL1 antibody [LN1] (FITC) FACS image

Flow Cytometry: Human whole blood stained with ARG43870 anti-CD75 / ST6GAL1 antibody [LN1] (FITC) at 1:25 dilution.