ARG44156
anti-CD173 / Blood group H2 antigen antibody [MEM-195] (PE)

Package: 100 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [MEM-195] recognizes CD173 / Blood group H2 antigen
Tested Reactivity	Hu
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	MEM-195
Isotype	IgM
Target Name	CD173 / Blood group H2 antigen
Species	Human
Immunogen	Human thrombocytes
Conjugation	PE
Alternate Names	Glycoprotein-fucosylgalactoside alpha-N-acetylgalactosaminyltransferase; Fucosylglycoprotein 3-alpha-galactosyltransferase; GTB; Histo-blood group A transferase; NAGAT; A3GALT1; Histo-blood group ABO system transferase; EC 2.4.1.40; A transferase; Histo-blood group B transferase; Fucosylglycoprotein alpha-N-acetylgalactosaminyltransferase; A3GALNT; Glycoprotein-fucosylgalactoside alpha-galactosyltransferase; B transferase; EC 2.4.1.37

Application Instructions

Application table

Application	Dilution
FACS	10 µl / 100 µl of whole blood or 10^6 cells

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

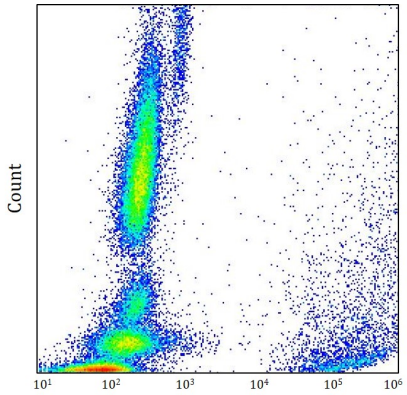
Properties

Form	Liquid
Purification	Purified
Buffer	TBS(pH 8.0) and 15 mM Sodium azide.
Preservative	15 mM 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

Gene Symbol	ABO
Gene Full Name	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)
Background	This gene encodes proteins related to the first discovered blood group system, ABO. Which allele is present in an individual determines the blood group. The 'O' blood group is caused by a deletion of guanine-258 near the N-terminus of the protein which results in a frameshift and translation of an almost entirely different protein. Individuals with the A, B, and AB alleles express glycosyltransferase activities that convert the H antigen into the A or B antigen. Other minor alleles have been found for this gene. [provided by RefSeq, Jul 2008]
Function	This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity. [UniProt]
Calculated Mw	41 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing.
Cellular Localization	Cell surface

Images



ARG44156 anti-CD173 / Blood group H2 antigen antibody [MEM-195] (PE) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG44156 anti-CD173 / Blood group H2 antigen antibody [MEM-195] (PE) at 10 µl / 100 µl of whole blood dilution.