ARG65401
anti-CD328 / Siglec 7 antibody [6-434]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6-434] recognizes CD328 / Siglec 7
Tested Reactivity	Hu
Tested Application	CyTOF®-candidate, FACS
Specificity	The mouse monoclonal antibody 6434 recognizes CD328 (Siglec7), a 75 kDa transmembrane glycoprotein expressed mainly on NK cells, dendritic cells and monocytes. HLDA 8; WS Code ARN80652
Host	Mouse
Clonality	Monoclonal
Clone	6-434
Isotype	IgG1
Target Name	CD328 / Siglec 7
Species	Human
Immunogen	human dendritic cells
Conjugation	Un-conjugated
Alternate Names	QA79 membrane protein; p75; CD antigen CD328; SIGLEC19P; Adhesion inhibitory receptor molecule 1; SIGLECP2; Sialic acid-binding Ig-like lectin 7; SIGLEC-7; p75/AIRM1; CDw328; Siglec-7; AIRM-1; CD328; AIRM1; D-siglec; QA79

Application Instructions

Application table

Application	Dilution
CyTOF®-candidate	Assay-dependent
FACS	1 - 4 µg/ml

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 from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	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 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: 27036 Human Swiss-port # Q9Y286 Human
Gene Symbol	SIGLEC7
Gene Full Name	sialic acid binding Ig-like lectin 7
Background	CD328, also known as Siglec-7 or p75/AIRM1, is a 75 kDa type I transmembrane glycoprotein of sialic acid-binding immunoglobulin-like lectin (Siglec) family. CD328 binds to sialylated glycans with alpha2,6 sialyl and alpha2,8 disyalyl residues and mediates sialic acid-dependent cell-cell binding. As it contains in its intracellular part the immunoreceptor tyrosine-based inhibitory motif (ITIM), it serves as an inhibitory receptor, e.g. of NK cells.
Function	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3- and alpha-2,6-linked sialic acid. Also binds disialogangliosides (disialogalactosyl globoside, disialyl lactotetraosylceramide and disialyl GalNAc lactotetraoslylceramide). The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Mediates inhibition of natural killer cells cytotoxicity. May play a role in hemopoiesis. Inhibits differentiation of CD34+ cell precursors towards myelomonocytic cell lineage and proliferation of leukemic myeloid cells (in vitro). [UniProt]
Highlight	Related products: CD328 antibodies; CD328 ELISA Kits; Anti-Mouse IgG secondary antibodies; Related news: CyTOF-candidate Antibodies
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Neuroscience antibody
Calculated Mw	51 kDa
PTM	Tyrosine phosphorylated.