

Product datasheet

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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 <u>GeneID: 27036 Human</u>

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.