ARG11042
anti-Siglec 8 antibody [7C9]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [7C9] recognizes Siglec 8
Tested Reactivity	Hu
Tested Application	ELISA, FACS, IP
Host	Mouse
Clonality	Monoclonal
Clone	7C9
Isotype	IgG1
Target Name	Siglec 8
Species	Human
Immunogen	SIGLEC8-Fc protein, containing entire extracellular region of Human Siglec-8 fused with the Fc region of Human IgG1.
Conjugation	Un-conjugated
Alternate Names	Siglec-8; Sialic acid-binding Ig-like lectin 8; SIGLEC-8; SAF-2; Sialoadhesin family member 2; SAF2; SIGLEC8L

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
FACS	1 µg / 10^6 cells
IP	Assay-dependent

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

Positive Control: SIGLEC8 transfected CHO cells.

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
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

Gene Symbol	SIGLEC8
Gene Full Name	sialic acid binding Ig-like lectin 8
Background	Sialic acid-binding immunoglobulin (Ig)-like lectins, or SIGLECs (e.g., CD33 (MIM 159590)), are a family of type 1 transmembrane proteins each having a unique expression pattern, mostly in hemopoietic cells. SIGLEC8 is a member of the CD33-like subgroup of SIGLECs, which are localized to 19q13.3-q13.4 and have 2 conserved cytoplasmic tyrosine-based motifs: an immunoreceptor tyrosine-based inhibitory motif, or ITIM (see MIM 604964), and a motif homologous to one identified in signaling lymphocyte activation molecule (SLAM; MIM 603492) that mediates an association with SLAM-associated protein (SAP; MIM 300490) (summarized by Foussias et al., 2000 [PubMed 11095983]).[supplied by OMIM, May 2010]
Function	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Preferentially binds to alpha-2,3-linked sialic acid. Also binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. [UniProt]
Calculated Mw	54 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein [UniProt]