Datasheet for ABIN5510679

SIGLEC7 ELISA Kit

Go to Product page

1 Image

Overview

Quantity:	96 tests
Target:	SIGLEC7
Binding Specificity:	AA 19-353
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Siglec-7/CD328
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: Q19-L353
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Predominantly expressed by resting and activated natural killer cells and at lower levels by granulocytes and monocytes. High expression found in placenta, liver, lung, spleen, and peripheral blood leukocytes.

Target Details

Target:	SIGLEC7

Target Details

Alternative Name:	SIGLEC7 (SIGLEC7 Products)
Background:	Protein 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). . Background: Sialic acid-binding Ig-like lectin 7, also known as CD328 (cluster of differentiation 328) or AIRM1, is a protein that in humans is encoded by the SIGLEC7 gene. And this gene is mapped to chromosome 19. AIRM1 is a novel member of the sialoadhesin family characterized by 3 immunoglobulin-like extracellular domains (1 N-terminal V type and 2 C2 type) and a classic immunoreceptor tyrosine-based inhibitory motif (ITIM) in the cytoplasmic portion. The highest amino acid sequence similarity found was with the myeloid-specific CD33 Molecule, and similar to other sialoadhesin molecules, AIRM1 appears to mediate sialic acid-dependent ligand recognition. Synonyms: Sialic acid-binding Ig-like lectin 7,Siglec-7,Adhesion inhibitory receptor molecule 1,AIRM-1,CDw328,D-siglec,QA79 membrane protein,p75,CD328,SIGLEC7,AIRM1, Full Gene Name: Sialic acid-binding Ig-like lectin 7 Cellular Localisation: Membrane, Single-pass type I membrane protein.
UniProt:	Q9Y286

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

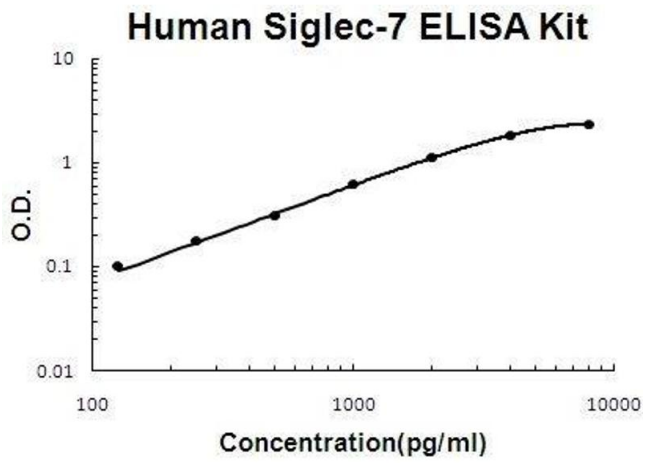
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Handling

Expiry Date:	12 months

Images



ELISA

Image 1. Human Siglec-7/CD328 PicoKine ELISA Kit standard curve