

## ARG81940 Human CD328 / SIGLEC7 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81940-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81940-002	Standard	2 X 10 ng/vial	4°C
ARG81940-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81940-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81940-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81940-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81940-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81940-008	25X Wash buffer	20 ml	4°C
ARG81940-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81940-010	STOP solution	10 ml (Ready to use)	4°C
ARG81940-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81940 Human CD328 / SIGLEC7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD328 / SIGLEC7 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD328 / Siglec 7
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 6.6%
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

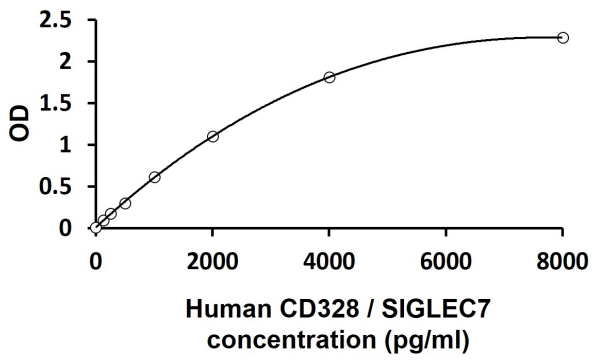
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SIGLEC7
Gene Full Name	sialic acid binding Ig-like lectin 7
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 lactotetraosylceramide). 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: <a href="#">CD328 antibodies</a> ; <a href="#">CD328 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Tyrosine phosphorylated. [UniProt]



ARG81940 Human CD328 / SIGLEC7 ELISA Kit standard curve image

ARG81940 Human CD328 / SIGLEC7 ELISA Kit results of a typical standard run with optical density reading at 450 nm.