

ARG81972 Human CD170 / Siglec 5 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81972-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81972-002	Standard	2 X 10 ng/vial	4°C
ARG81972-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81972-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81972-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81972-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81972-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81972-008	25X Wash buffer	20 ml	4°C
ARG81972-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81972-010	STOP solution	10 ml (Ready to use)	4°C
ARG81972-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81972 Human CD170 / Siglec 5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD170 / Siglec 5 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD170 / Siglec 5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6%; Inter-Assay CV: 6.4%
Alternate Names	OBBP2; OB-binding protein 2; CD170; Sialic acid-binding Ig-like lectin 5; SIGLEC-5; CD antigen CD170; CD33 antigen-like 2; OB-BP2; CD33L2; Siglec-5; Obesity-binding protein 2

Application Instructions

Assay Time ~ 5 hours

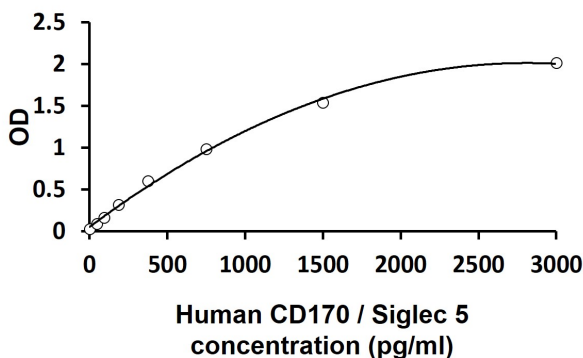
Properties

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	SIGLEC5
Gene Full Name	sialic acid binding Ig-like lectin 5
Background	This gene encodes a member of the sialic acid-binding immunoglobulin-like lectin (Siglec) family. These cell surface lectins are characterized by structural motifs in the immunoglobulin (Ig)-like domains and sialic acid recognition sites in the first Ig V set domain. The encoded protein is a member of the CD33-related subset of Siglecs and inhibits the activation of several cell types including monocytes, macrophages and neutrophils. Binding of group B Streptococcus (GBS) to the encoded protein plays a role in GBS immune evasion. [provided by RefSeq, Feb 2012]
Function	Putative adhesion molecule that mediates sialic-acid dependent binding to cells. Binds equally to alpha-2,3-linked and 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]
Highlight	Related products: CD170 antibodies ; CD170 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81972 Human CD170 / Siglec 5 ELISA Kit standard curve image

ARG81972 Human CD170 / Siglec 5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.