

ARG82740 Human CD301 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82740-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82740-002	Standard	2 X 10 ng/vial	4°C
ARG82740-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82740-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82740-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82740-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82740-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82740-008	25X Wash buffer	20 ml	4°C
ARG82740-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82740-010	STOP solution	10 ml (Ready to use)	4°C
ARG82740-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82740 Human CD301 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD301 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD301
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 6.7%

Alternate Names CD301; CD antigen CD301; Macrophage lectin 2; C-type lectin superfamily member 14; HML2; HML; CLECSF14; CLECSF13; C-type lectin domain family 10 member A; MGL

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 CLEC10A

Gene Full Name C-type lectin domain family 10, member A

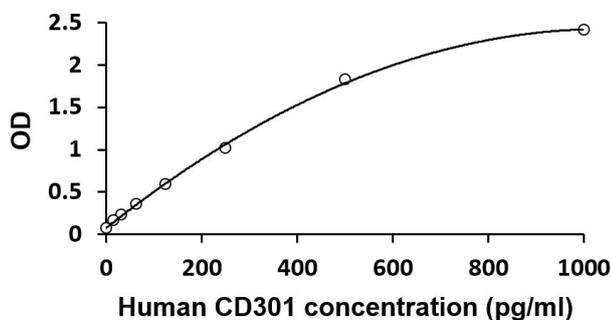
Background This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and immune response. The encoded type 2 transmembrane protein may function as a cell surface antigen. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Function Probable role in regulating adaptive and innate immune responses. Binds in a calcium-dependent manner to terminal galactose and N-acetylgalactosamine units, linked to serine or threonine. These sugar moieties are known as Tn-Ag and are expressed in a variety of carcinoma cells. [UniProt]

Highlight Related products:
[CD301 antibodies](#); [CD301 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG82740 Human CD301 ELISA Kit standard curve image

ARG82740 Human CD301 ELISA Kit results of a typical standard run with optical density reading at 450 nm.