

## ARG82450 Human CD300a ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82450-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82450-002	Standard	2 X 10 ng/vial	4°C
ARG82450-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82450-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82450-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82450-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82450-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82450-008	25X Wash buffer	20 ml	4°C
ARG82450-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82450-010	STOP solution	10 ml (Ready to use)	4°C
ARG82450-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82450 Human CD300a ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD300a in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD300a
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.4% Inter-Assay CV: 5.9%

Alternate Names	CMRF-35-H9; Inhibitory receptor protein 60; NK inhibitory receptor; CMRF35-H; CMRF35H9; CD antigen CD300a; IRC1/IRC2; IGSF12; CMRF35H; IRp60; IgSF12; CMRF35-like molecule 8; CMRF35-H9; CMRF-35H; CD300 antigen-like family member A; CLM-8; IRC1; IRC2; Immunoglobulin superfamily member 12
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## Application Instructions

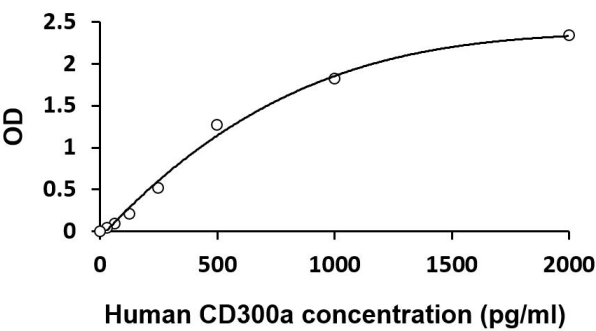
Assay Time	~ 5 hours
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## Properties

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	CD300A
Gene Full Name	CD300a molecule
Background	This gene encodes a member of the CD300 glycoprotein family of cell surface proteins found on leukocytes involved in immune response signaling pathways. This gene is located on chromosome 17 in a cluster with all but one of the other family members. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]
Function	Inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation. [UniProt]
Highlight	Related products: <a href="#">CD300 antibodies</a> ; <a href="#">CD300 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Phosphorylated on tyrosine.  N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]



ARG82450 Human CD300a ELISA Kit standard curve image

ARG82450 Human CD300a ELISA Kit results of a typical standard run with optical density reading at 450 nm.