

ARG81948 Human CD48 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81948-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81948-002	Standard	2 X 10 ng/vial	4°C
ARG81948-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81948-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81948-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81948-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81948-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81948-008	25X Wash buffer	20 ml	4°C
ARG81948-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81948-010	STOP solution	10 ml (Ready to use)	4°C
ARG81948-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81948 Human CD48 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD48 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	CD48
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.1%; Inter-Assay CV: 7.2%
Alternate Names	Leukocyte antigen MEM-102; B-lymphocyte activation marker BLAST-1; CD48 antigen; BCM1 surface antigen; CD antigen CD48; TCT.1; BLAST1; BCM1; MEM-102; mCD48; Signaling lymphocytic activation molecule 2; BLAST; hCD48; SLAMF2; SLAM family member 2

Application Instructions

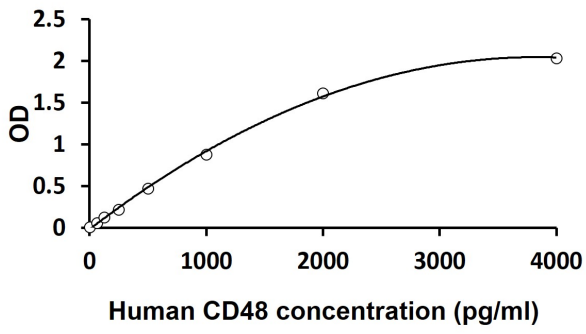
Assay Time	~ 5 hours
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Properties

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	CD48
Gene Full Name	CD48 molecule
Background	This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Function	Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation. [UniProt]
Highlight	Related products: CD48 antibodies ; CD48 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81948 Human CD48 ELISA Kit standard curve image

ARG81948 Human CD48 ELISA Kit results of a typical standard run with optical density reading at 450 nm.