

ARG81684 Human CD30 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81684-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81684-002	Standard	2 X 10 ng/vial	4°C
ARG81684-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81684-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81684-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81684-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81684-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81684-008	25X Wash buffer	20 ml	4°C
ARG81684-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81684-010	STOP solution	10 ml (Ready to use)	4°C
ARG81684-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81684 Human CD30 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD30 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	CD30
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6%; Inter-Assay CV: 7.2%
Alternate Names	Tumor necrosis factor receptor superfamily member 8; Ki-1 antigen; CD30; Ki-1; Lymphocyte activation antigen CD30; CD antigen CD30; D1S166E; CD30L receptor

Application Instructions

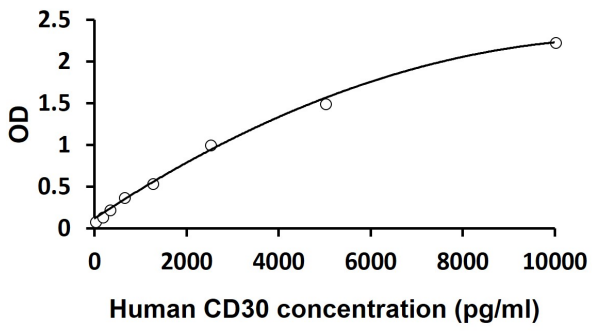
Assay Time	~ 5 hours
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Properties

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	TNFRSF8
Gene Full Name	tumor necrosis factor receptor superfamily, member 8
Background	CD30 is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Function	CD30 is a receptor for TNFSF8/CD30L (PubMed:8391931). May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF-kappa-B (PubMed:8999898). [UniProt]
Highlight	Related products: CD30 antibodies ; CD30 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated on serine and tyrosine residues. [UniProt]



ARG81684 Human CD30 ELISA Kit standard curve image

ARG81684 Human CD30 ELISA Kit results of a typical standard run with optical density reading at 450 nm.