

## ARG80130 Human sCD40L ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG80130-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80130-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80130-003	Standard diluent buffer	20 ml	4°C
ARG80130-004	Antibody conjugate concentrate	400 µl	4°C
ARG80130-005	Antibody diluent buffer	16 ml	4°C
ARG80130-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80130-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80130-008	20X Wash buffer	50 ml	4°C
ARG80130-009	TMB substrate	12ml	4°C (Protect from light)
ARG80130-010	STOP solution	12ml	4°C
ARG80130-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG80130 Human sCD40L ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human sCD40L in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human ANG, AR, BDNF, CD4, CD40, CNTF, CT-1, CTLA-4, Epo, Fas, CDNF, GTR, OPG, OSM
Target Name	sCD40L
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	30 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	62.5 - 4000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	TNFSF5; IMD3; T-cell antigen Gp39; HIGM1; CD40-L; gp39; CD40 ligand; Tumor necrosis factor ligand superfamily member 5; CD40L; CD154; TRAP; CD antigen CD154; hCD40L; IGM; T-BAM; TNF-related activation protein

## Application Instructions

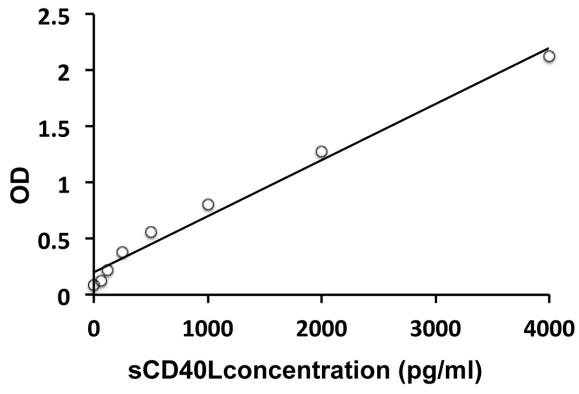
Assay Time	4 hours
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## Properties

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	CD40LG
Gene Full Name	CD40 ligand
Background	The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome. [provided by RefSeq, Jul 2008]
Function	Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching. Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and a matrix metalloproteinases (MMP) inhibitor-sensitive pathway. [UniProt]
Highlight	Related products: <a href="#">CD154 antibodies</a> ; <a href="#">CD154 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Research Area	Cell Biology and Cellular Response kit; Developmental Biology kit; Immune System kit
PTM	The soluble form derives from the membrane form by proteolytic processing. N-linked glycan is a mixture of high mannose and complex type. Glycan structure does not influence binding affinity to CD40. Not O-glycosylated.



ARG80130 Human sCD40L ELISA Kit standard curve image

ARG80130 Human sCD40L ELISA Kit results of a typical standard run with optical density reading at 450 nm.