

ARG82083 Mouse sCD40L ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82083-001	Antibody-coated microplate	8 X 12 strips	4°C
ARG82083-002	Standard	2 X 10 ng/vial	4°C
ARG82083-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82083-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82083-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82083-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C (Protect from light)
ARG82083-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82083-008	25X Wash buffer	20 ml	4°C
ARG82083-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82083-010	STOP solution	10 ml (Ready to use)	4°C
ARG82083-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82083 Mouse sCD40L ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse sCD40L in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	sCD40L
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: 6.7%; Inter-Assay CV: 7.7%

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
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Application Instructions

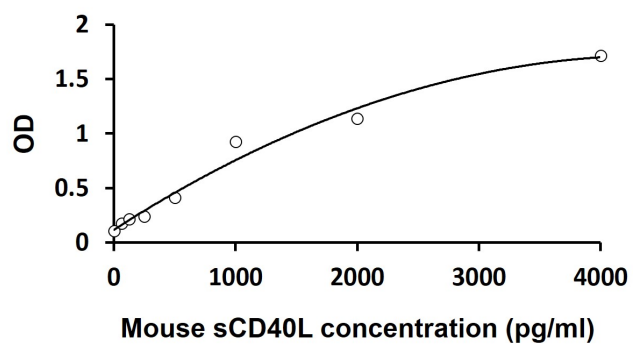
Assay Time	~ 5 hours
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Properties

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	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	<p>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.</p> <p>Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway. [UniProt]</p>
Highlight	<p>Related products: CD40L antibodies; CD40L ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
PTM	<p>The soluble form derives from the membrane form by proteolytic processing.</p> <p>N-linked glycan is a mixture of high mannose and complex type. Glycan structure does not influence binding affinity to CD40.</p> <p>Not O-glycosylated. [UniProt]</p>
Cellular Localization	Cell membrane; Single-pass type II membrane protein. Cell surface. CD40 ligand, soluble form: Secreted. [UniProt]



ARG82083 Mouse sCD40L ELISA Kit standard curve image

ARG82083 Mouse sCD40L ELISA Kit results of a typical standard run with optical density reading at 450 nm.