

ARG82696 Mouse CD70 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82696-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82696-002	Standard	2 X 10 ng/vial	4°C
ARG82696-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82696-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82696-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82696-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82696-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82696-008	25X Wash buffer	20 ml	4°C
ARG82696-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82696-010	STOP solution	10 ml (Ready to use)	4°C
ARG82696-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82696 Mouse CD70 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD70 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CD70
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	16 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: 6.6% Inter-Assay CV: 7.4%

Alternate Names	CD27 ligand; CD70 antigen; Tumor necrosis factor ligand superfamily member 7; CD antigen CD70; CD27L; CD27-L; TNFSF7; CD27LG
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Application Instructions

Assay Time	~ 5 hours
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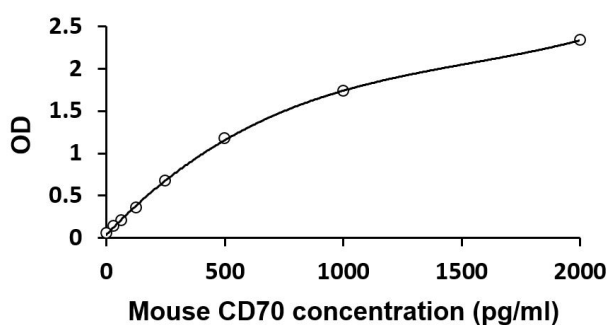
Properties

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	CD70
Gene Full Name	CD70 molecule
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. [provided by RefSeq, Jul 2008]
Function	Cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells. [UniProt]
Highlight	Related products: CD70 antibodies ; CD70 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Membrane; Single-pass type II membrane protein. [UniProt]

Images



ARG82696 Mouse CD70 ELISA Kit standard curve image

ARG82696 Mouse CD70 ELISA Kit results of a typical standard run with optical density reading at 450 nm.