

ARG81714 Mouse CD27 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81714-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81714-002	Standard	2 X 10 ng/vial	4°C
ARG81714-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81714-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81714-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81714-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81714-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81714-008	25X Wash buffer	20 ml	4°C
ARG81714-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81714-010	STOP solution	10 ml (Ready to use)	4°C
ARG81714-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81714 Mouse CD27 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD27 in serum and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD27
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 7.1%
Alternate Names	T-cell activation antigen CD27; Tp55; CD antigen CD27; CD27 antigen; S152. LPFS2; T14; S152; Tumor necrosis factor receptor superfamily member 7; CD27L receptor; TNFRSF7

Application Instructions

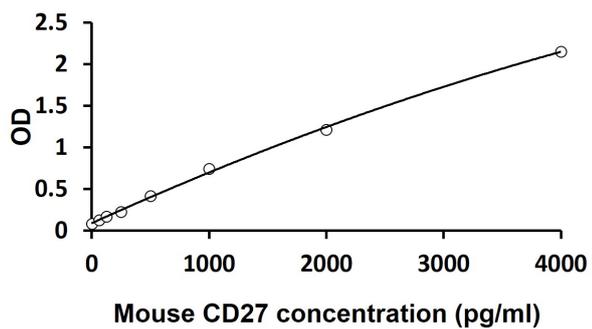
Assay Time	~ 5 hours
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Properties

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	CD27
Gene Full Name	CD27 molecule
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq, Jul 2008]
Function	Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1. [UniProt]
Highlight	Related products: CD27 antibodies ; CD27 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated. O-glycosylated with core 1 or possibly core 8 glycans. [UniProt]



ARG81714 Mouse CD27 ELISA Kit standard curve image

ARG81714 Mouse CD27 ELISA Kit results of a typical standard run with optical density reading at 450 nm.