

ARG81722 Rat CD86 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81722-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81722-002	Standard	2 X 10 ng/vial	4°C
ARG81722-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81722-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81722-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81722-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81722-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81722-008	25X Wash buffer	20 ml	4°C
ARG81722-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81722-010	STOP solution	10 ml (Ready to use)	4°C
ARG81722-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81722 Rat CD86 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CD86 in serum and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD86
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: 6.3%; Inter-Assay CV: 7.2%
Alternate Names	B70; B7.2; LAB72; CD antigen CD86; B7-2; FUN-1; CD28LG2; T-lymphocyte activation antigen CD86; CTLA-4 counter-receptor B7.2; Activation B7-2 antigen; BU63

Application Instructions

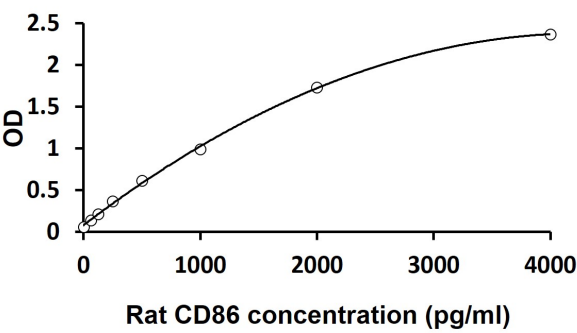
Assay Time	~ 5 hours
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Properties

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	CD86
Gene Full Name	CD86 molecule
Background	This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.[provided by RefSeq, May 2011]
Function	Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation. [UniProt]
Highlight	Related products: CD86 antibodies ; CD86 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal degradation. [UniProt]



ARG81722 Rat CD86 ELISA Kit standard curve image

ARG81722 Rat CD86 ELISA Kit results of a typical standard run with optical density reading at 450 nm.