

ARG81720 Rat CD80 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81720-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81720-002	Standard	2 X 10 ng/vial	4°C
ARG81720-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81720-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81720-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81720-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81720-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81720-008	25X Wash buffer	20 ml	4°C
ARG81720-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81720-010	STOP solution	10 ml (Ready to use)	4°C
ARG81720-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81720 Rat CD80 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CD80 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	CD80
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: 5.7%; Inter-Assay CV: 7.1%
Alternate Names	B7.1; CTLA-4 counter-receptor B7.1; CD28LG; T-lymphocyte activation antigen CD80; B7-1; CD28LG1; B7; LAB7; Activation B7-1 antigen; CD antigen CD80; BB1

Application Instructions

Assay Time	~ 5 hours
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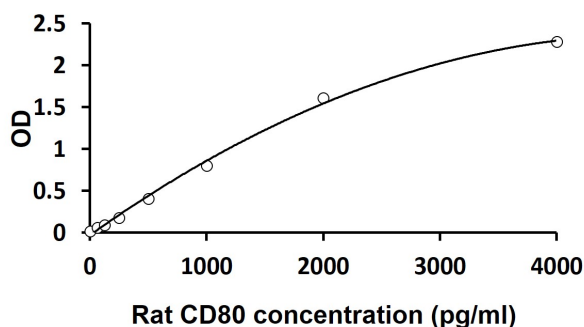
Properties

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	CD80
Gene Full Name	CD80 molecule
Background	The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy. [provided by RefSeq, Aug 2011]
Function	Involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation. [UniProt]
Highlight	Related products: CD80 antibodies ; CD80 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81720 Rat CD80 ELISA Kit standard curve image

ARG81720 Rat CD80 ELISA Kit results of a typical standard run with optical density reading at 450 nm.