

ARG82730 Mouse CD39 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82730-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82730-002	Standard	2 X 10 ng/vial	4°C
ARG82730-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82730-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82730-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82730-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82730-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82730-008	25X Wash buffer	20 ml	4°C
ARG82730-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82730-010	STOP solution	10 ml (Ready to use)	4°C
ARG82730-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82730 Mouse CD39 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD39 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CD39
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	16 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.8%

Alternate Names CD39; Ecto-ATPase 1; Ecto-ATPDase 1; CD antigen CD39; NTPDase-1; ATPDase; EC 3.6.1.5; Ecto-ATP diphosphohydrolase 1; NTPDase 1; Ectonucleoside triphosphate diphosphohydrolase 1; SPG64; Ecto-apyrase; Lymphoid cell activation antigen

Application Instructions

Assay Time ~ 5 hours

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 ENTPD1

Gene Full Name ectonucleoside triphosphate diphosphohydrolase 1

Background The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]

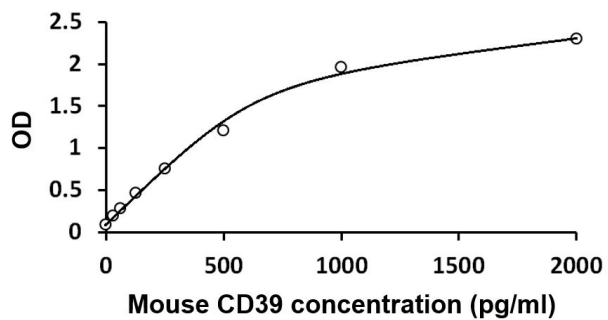
Function In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP. Hydrolyzes ATP and ADP equally well. [UniProt]

Highlight Related products:
[CD39 antibodies](#); [CD39 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM The N-terminus is blocked.

Palmitoylated in the N-terminal part. [UniProt]

Cellular Localization Membrane; Multi-pass membrane protein. [UniProt]



ARG82730 Mouse CD39 ELISA Kit standard curve image

ARG82730 Mouse CD39 ELISA Kit results of a typical standard run with optical density reading at 450 nm.