

ARG82742 Human CD69 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82742-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82742-002	Standard	2 X 10 ng/vial	4°C
ARG82742-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82742-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82742-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82742-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82742-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82742-008	25X Wash buffer	20 ml	4°C
ARG82742-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82742-010	STOP solution	10 ml (Ready to use)	4°C
ARG82742-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82742 Human CD69 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD69 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD69
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	50 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 6.3%

Alternate Names	GP32/28; Activation inducer molecule; MLR-3; BL-AC/P26; Leukocyte surface antigen Leu-23; AIM; Early activation antigen CD69; Early T-cell activation antigen p60; EA1; CD antigen CD69; CLEC2C; C-type lectin domain family 2 member C
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Application Instructions

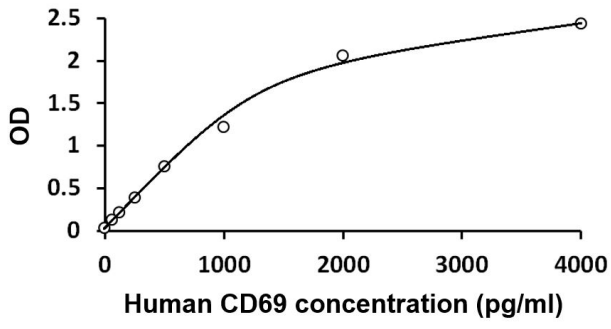
Assay Time	~ 5 hours
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Properties

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	CD69
Gene Full Name	CD69 molecule
Background	This gene encodes a member of the calcium dependent lectin superfamily of type II transmembrane receptors. Expression of the encoded protein is induced upon activation of T lymphocytes, and may play a role in proliferation. Furthermore, the protein may act to transmit signals in natural killer cells and platelets. [provided by RefSeq, Aug 2011]
Function	Involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. [UniProt]
Highlight	Related products: CD69 antibodies ; CD69 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Constitutive Ser/Thr phosphorylation in both mature thymocytes and activated T-lymphocytes. [UniProt]
Cellular Localization	Membrane; Single-pass type II membrane protein. [UniProt]



ARG82742 Human CD69 ELISA Kit standard curve image

ARG82742 Human CD69 ELISA Kit results of a typical standard run with optical density reading at 450 nm.