

ARG81975 Mouse Kallikrein 1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81975-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81975-002	Standard	2 X 10 ng/vial	4°C
ARG81975-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81975-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81975-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81975-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81975-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81975-008	25X Wash buffer	20 ml	4°C
ARG81975-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81975-010	STOP solution	10 ml (Ready to use)	4°C
ARG81975-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81975 Mouse Kallikrein 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Kallikrein 1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Kallikrein 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.1%; Inter-Assay CV: 8.2%
Alternate Names	EC 3.4.21.35; Tissue kallikrein; hK1; Kallikrein-1; KLKR; Kidney/pancreas/salivary gland kallikrein; Klk6

Application Instructions

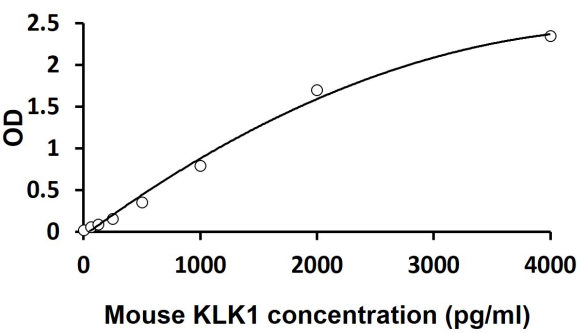
Assay Time	~ 5 hours
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Properties

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	KLK1
Gene Full Name	kallikrein 1
Background	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. This protein is functionally conserved in its capacity to release the vasoactive peptide, Lys-bradykinin, from low molecular weight kininogen. [provided by RefSeq, Jul 2008]
Function	Glandular kallikreins cleave Met-Lys and Arg-Ser bonds in kininogen to release Lys-bradykinin. [UniProt]
Highlight	Related products: Kallikrein antibodies ; Kallikrein ELISA Kits ; Kallikrein Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The O-linked polysaccharides on Ser-93, Ser-104 and Ser-167 are probably the mucin type linked to GalNAc. In PubMed:3163150, GalNAc was detected with the corresponding peptides but not located. [UniProt]



ARG81975 Mouse Kallikrein 1 ELISA Kit standard curve image

ARG81975 Mouse Kallikrein 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.