

ARG81542 Human Prostatin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81542-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81542-002	Standard	2 X 100 ng/vial	4°C
ARG81542-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81542-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81542-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81542-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81542-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81542-008	25X Wash buffer	20 ml	4°C
ARG81542-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81542-010	STOP solution	10 ml (Ready to use)	4°C
ARG81542-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81542 Human Prostatin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Prostatin in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Prostatin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	70.3 ng/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7% Inter-Assay CV: 6.7%
Alternate Names	Prostasin; Serine protease 8; Channel-activating protease 1; CAP1; PROSTASIN; EC 3.4.21.-

Application Instructions

Assay Time	~ 5 hours
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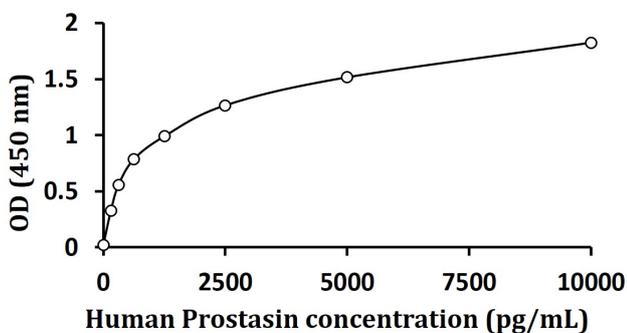
Properties

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	PRSS8
Gene Full Name	protease, serine, 8
Background	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of lysine or arginine. [provided by RefSeq, Jul 2008]
Function	Possesses a trypsin-like cleavage specificity with a preference for poly-basic substrates. Stimulates epithelial sodium channel (ENaC) activity through activating cleavage of the gamma subunits (SCNN1G). [UniProt]
Highlight	Related products: Prostasin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81542 Human Prostasin ELISA Kit standard curve image

ARG81542 Human Prostasin ELISA Kit results of a typical standard run with optical density reading at 450 nm.