

ARG82502 Human Carboxypeptidase A1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82502-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82502-002	Standard	2 X 10 ng/vial	4°C
ARG82502-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82502-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82502-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82502-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82502-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82502-008	25X Wash buffer	20 ml	4°C
ARG82502-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82502-010	STOP solution	10 ml (Ready to use)	4°C
ARG82502-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82502 Human Carboxypeptidase A1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Carboxypeptidase A1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Carboxypeptidase A1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 7.0%

Alternate Names CPA; Carboxypeptidase A1; EC 3.4.17.1

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 CPA1

Gene Full Name carboxypeptidase A1 (pancreatic)

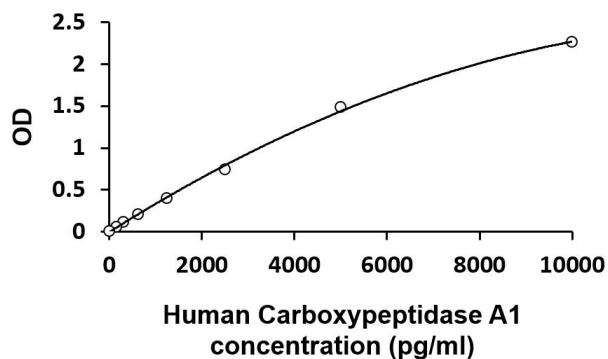
Background This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases. This enzyme is produced in the pancreas and preferentially cleaves C-terminal branched-chain and aromatic amino acids from dietary proteins. This gene and several family members are present in a gene cluster on chromosome 7. Mutations in this gene may be linked to chronic pancreatitis, while elevated protein levels may be associated with pancreatic cancer. [provided by RefSeq, Jan 2015]

Function Carboxypeptidase that catalyzes the release of a C-terminal amino acid, but has little or no action with -Asp, -Glu, -Arg, -Lys or -Pro. [UniProt]

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

Cellular Localization Secreted. [UniProt]

Images



ARG82502 Human Carboxypeptidase A1 ELISA Kit standard curve image

ARG82502 Human Carboxypeptidase A1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.