

ARG82246 Human alpha 1 Antichymotrypsin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82246 Human alpha 1 Antichymotrypsin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human alpha 1 Antichymotrypsin in serum and plasma.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	alpha 1 Antichymotrypsin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	2.518 ng/ml
Sample Type	Serum and plasma.
Standard Range	6.25 - 400 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 3.3% Inter-Assay CV: 3.6%
Alternate Names	GIG24; GIG25; Cell growth-inhibiting gene 24/25 protein; Alpha-1-antichymotrypsin; ACT; Serpin A3; AACT

Application Instructions

Assay Time	80 min
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Properties

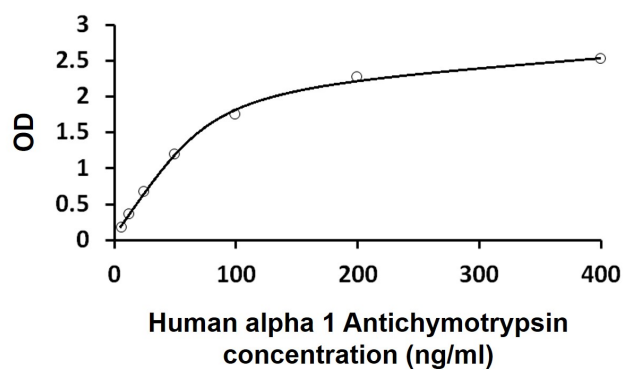
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SERPINA3
Gene Full Name	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
Background	The protein encoded by this gene is a plasma protease inhibitor and member of the serine protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by RefSeq, Jul 2008]

Function	Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase, both of which can convert angiotensin-1 to the active angiotensin-2. [UniProt]
Highlight	<p>Related products: alpha1 Antichymotrypsin antibodies; alpha1 Antichymotrypsin ELISA Kits;</p> <p>Related news: Detecting MMPs and their non-ECM substrates</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
PTM	N- and O-glycosylated. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG82246 Human alpha 1 Antichymotrypsin ELISA Kit standard curve image

ARG82246 Human alpha 1 Antichymotrypsin ELISA Kit results of a typical standard run with optical density reading at 450 nm.
