

## ARG81595 Human Serpin A7 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81595-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81595-002	Standard	2 X 10 ng/vial	4°C
ARG81595-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81595-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81595-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81595-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81595-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81595-008	25X Wash buffer	20 ml	4°C
ARG81595-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81595-010	STOP solution	10 ml (Ready to use)	4°C
ARG81595-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81595 Human Serpin A7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Serpin A7 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Serpin A7
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 6.2%
Alternate Names	Serpin A7; T4-binding globulin; Thyroxine-binding globulin; TBG

## Application Instructions

Assay Time ~ 5 hours

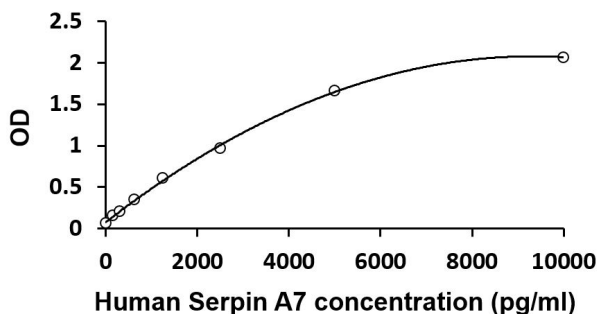
## Properties

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	SERPINA7
Gene Full Name	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7
Background	There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3'-triiodothyronine (T3) in the bloodstream. This gene encodes the major thyroid hormone transport protein, TBG, in serum. It belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined.[provided by RefSeq, Jun 2012]
Function	Major thyroid hormone transport protein in serum. [UniProt]
Highlight	Related products: <a href="#">Serpin antibodies</a> ; <a href="#">Serpin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images



ARG81595 Human Serpin A7 ELISA Kit standard curve image

ARG81595 Human Serpin A7 ELISA Kit results of a typical standard run with optical density reading at 450 nm.