

## **Product datasheet**

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### ARG81468 Human SERPINA4 / Kallistatin ELISA Kit

Package: 96 wells Store at: 4°C

#### Component

Cat. No.	Component Name	Package	Temp
ARG81468-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81468-002	Standard	2 X 10 ng/vial	4°C
ARG81468-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81468-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81468-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81468-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81468-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81468-008	25X Wash buffer	20 ml	4°C
ARG81468-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81468-010	STOP solution	10 ml (Ready to use)	4°C
ARG81468-011	Plate sealer	4 strips	Room temperature

#### Summary

Product Description	ARG81468 Human SERPINA4 / Kallistatin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human SERPINA4 / Kallistatin 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 SERPINA4 / Kallistatin

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  $100 \ \mu l$ 

Precision Intra-Assay CV: 5.1%

Inter-Assay CV: 5.9%

Alternate Names KST; PI-4; kallistatin; Peptidase inhibitor 4; KLST; KAL; Serpin A4; Kallikrein inhibitor; PI4; Kallistatin

#### **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 SERPINA4

Gene Full Name serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4

Function Inhibits human amidolytic and kininogenase activities of tissue kallikrein. Inhibition is achieved by

formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue

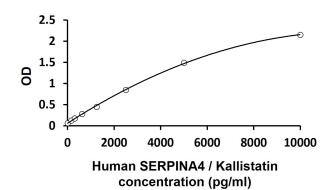
kallikrein. [UniProt]

Highlight Related products:

<u>Serpin antibodies;</u> <u>Serpin ELISA Kits;</u> New ELISA data calculation tool: <u>Simplify the ELISA analysis by GainData</u>

PTM The N-terminus is blocked. [UniProt]

#### **Images**



# ARG81468 Human SERPINA4 / Kallistatin ELISA Kit standard curve image

ARG81468 Human SERPINA4 / Kallistatin ELISA Kit results of a typical standard run with optical density reading at 450 nm.