

## ARG81504 Human Elafin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81504-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81504-002	Standard	2 X 10 ng/vial	4°C
ARG81504-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81504-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81504-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81504-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81504-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81504-008	25X Wash buffer	20 ml	4°C
ARG81504-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81504-010	STOP solution	10 ml (Ready to use)	4°C
ARG81504-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81504 Human Elafin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Elafin 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	Elafin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7% Inter-Assay CV: 6.5%
Alternate Names	Protease inhibitor WAP3; cementoin; WFDC14; Skin-derived antileukoproteinase; WAP four-disulfide core domain protein 14; SKALP; Elafin; Elastase-specific inhibitor; WAP3; Peptidase inhibitor 3; ESI; PI-3

## Application Instructions

Assay Time	~ 5 hours
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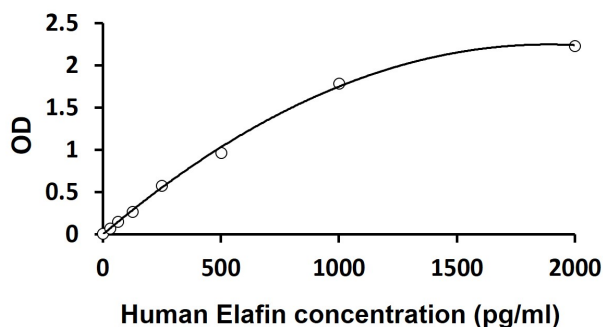
## Properties

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	PI3
Gene Full Name	peptidase inhibitor 3, skin-derived
Background	This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria, and fungal pathogens. The protein contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines. [provided by RefSeq, Oct 2014]
Function	Neutrophil and pancreatic elastase-specific inhibitor of skin. It may prevent elastase-mediated tissue proteolysis. [UniProt]
Highlight	Related products: <a href="#">Elafin antibodies</a> ; <a href="#">Elafin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images



ARG81504 Human Elafin ELISA Kit standard curve image

ARG81504 Human Elafin ELISA Kit results of a typical standard run with optical density reading at 450 nm.