

Product datasheet

info@arigobio.com

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 $100 \ \mu l$

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

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 upgulated by bacterial

lipopolysaccharides and cytokines. [provided by RefSeq, Oct 2014]

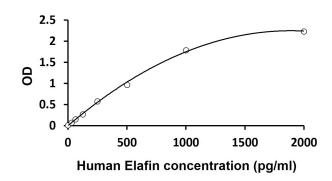
Function Neutrophil and pancreatic elastase-specific inhibitor of skin. It may prevent elastase-mediated tissue

proteolysis. [UniProt]

Highlight Related products:

Elafin antibodies; Elafin ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

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.