

Human Elafin (PI3) ELISA Kit | PI3 elisa kit

Human Elafin (PI3) ELISA Kit

CATALOG #
AAA331395

REACTIVITY
Human

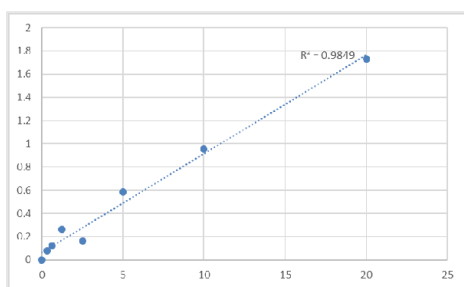
PRODUCT SYNONYMS

Elafin (PI3); Human Elafin (PI3) ELISA Kit; PI3; ESI; MGC13613; SKALP; WAP3; WFDC14; cementoin; WAP four-disulfide core domain 14; elafin; elastase-specific inhibitor; pre-elafin; protease inhibitor 3; skin-derived (SKALP); skin-derived antileukoprotei; PI3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Elafin (PI3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PI3. No significant cross-reactivity or interference between Human PI3 and analogues was observed.
Sequence Length	117
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Elafin (PI3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PI3 elisa kit	Description: This Human Elafin (PI3) ELISA Kit employs a two-site sandwich ELISA to quantitate PI3 in samples. An antibody specific for PI3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PI3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PI3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PI3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Elafin is an elastase-specific inhibitor, which contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Chang et al. and Schalkwijk et al. described a low molecular weight elastase inhibitor derived from psoriatic skin and termed SKALP for 'skin-derived antileukoproteinase.' They demonstrated that this inhibitor can be found in the epidermis of several inflammatory skin diseases, but not in normal human epidermis. Wiedow et al. referred to this molecule as elafin, and Sallenave and Ryle referred to it as elastase-specific inhibitor. It is found in the urine of psoriatic patients, and immunohistochemical studies showed that SKALP/elafin is found in the suprabasal differentiated keratinocytes of psoriatic epidermis. Molhuizen et al. isolated a precursor of SKALP/elafin from cultured keratinocytes and cloned its cDNA.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505787
NCBI GeneID	5266
NCBI Accession #	NP_002629.1
NCBI GenBank Nucleotide #	NP_002629.1
UniProt Accession #	P19957
NCBI Official Full Name	elafin preproprotein
NCBI Official Synonym Full Names	peptidase inhibitor 3
NCBI Official Symbol	PI3
NCBI Official Synonym Symbols	ESI; WAP3; SKALP; WFDC14; cementoin
NCBI Protein Information	elafin
UniProt Protein Name	Elafin
UniProt Gene Name	PI3
UniProt Synonym Gene Names	WAP3; WFDC14; ESI; PI-3; SKALP
UniProt Entry Name	ELAF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.