

Human IL-1alpha ELISA Kit | IL-1alpha elisa kit

Human IL-1alpha ELISA Kit

CATALOG # AAA332541	REACTIVITY Human	APPLICATIONS ELISA
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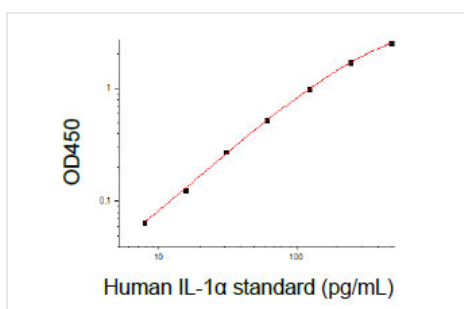
PRODUCT SYNONYMS

IL-1alpha; Human IL-1alpha ELISA Kit; Hematopoietin 1; IL 1 alpha; Il 1a; IL1; IL1 ALPHA; IL1A; IL1F1; Ilia; Interleukin 1 alpha; Interleukin 1 alpha precursor; Interleukin1 alpha; IL-1alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human IL-1alpha ELISA Kit has high sensitivity and excellent specificity for detection of Human IL-1alpha. No significant cross-reactivity or interference between Human IL-1alpha and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	4 pg/mL
Applicable Applications for IL-1alpha elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1alpha elisa kit	Principle of the Assay: The protein encoded by IL-1alpha gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. Human IL-1alpha ELISA Kit employs a double antibody sandwich method to quantitate Human IL-1alpha in samples. An antibody specific for Human IL-1alpha has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human IL-1alpha present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human IL-1alpha is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The IL-1alpha concentration is proportional to the OD450 nm value.
Product Categories/Family for IL-1alpha elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894330
NCBI GeneID	3552
NCBI Accession #	NP_000566.3
NCBI GenBank Nucleotide #	NM_000575.3
UniProt Accession #	P01583; Q53QF9; Q7RU02
Molecular Weight	30,607 Da
NCBI Official Full Name	interleukin-1 alpha proprotein
NCBI Official Synonym Full Names	interleukin 1, alpha
NCBI Official Symbol	IL1A
NCBI Official Synonym Symbols	IL1; IL-1A; IL1F1; IL1-ALPHA
NCBI Protein Information	interleukin-1 alpha; IL-1 alpha; hematopoietin-1; preinterleukin 1 alpha; pro-interleukin-1-alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	IL1A
UniProt Synonym Gene Names	IL1F1; IL-1 alpha
UniProt Entry Name	IL1A_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.