

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

Mouse IL-1alpha ELISA Kit

CATALOG # AAA332567	REACTIVITY Mouse	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

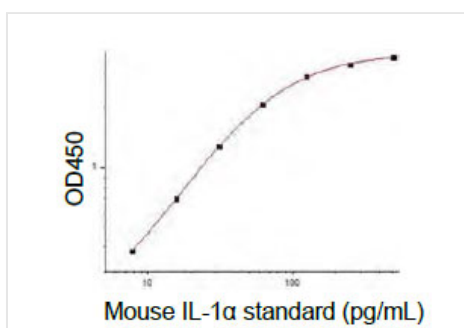
PRODUCT SYNONYMS

IL-1alpha; Mouse 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	Mouse
Specificity	Mouse IL-1alpha ELISA Kit has high sensitivity and excellent specificity for detection of Mouse IL-1alpha. No significant cross-reactivity or interference between Mouse IL-1alpha and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	7.82 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 (%) $\leq$ 10%.
Inter-assay Precision	Inter-assay Precision :The CV (%) $\leq$ 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: Interleukin 1 alpha (IL-1alpha) and Interleukin 1 beta (IL-1beta) are pleiotropic cytokines that belong to the IL-1 protein family. They bind to the same cell surface receptors and share biological functions. The two proteins have approximately 23% amino acid (aa) sequence homology and that lack hydrophobic signal peptide sequences. Mouse IL-1alpha ELISA Kit employs a double antibody sandwich method to quantitate Mouse IL-1alpha in samples. An antibody specific for Mouse IL-1alpha has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Mouse IL-1alpha present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Mouse IL-1alpha is added to the wells. After washing, proprietary Streptavidin-HRP conjugates are 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 450 nm 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 #	47059075
NCBI GeneID	16175
NCBI Accession #	NP_034684.2
NCBI GenBank Nucleotide #	NM_010554.4
UniProt Accession #	P01582
Molecular Weight	31,023 Da
NCBI Official Full Name	interleukin-1 alpha
NCBI Official Synonym Full Names	interleukin 1 alpha
NCBI Official Symbol	IL1a
NCBI Official Synonym Symbols	IL-1a
NCBI Protein Information	interleukin-1 alpha
UniProt Protein Name	Interleukin-1 alpha
UniProt Gene Name	IL1a
UniProt Synonym Gene Names	IL-1 alpha
UniProt Entry Name	IL1A_MOUSE

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.