

Human Leukemia Inhibitory Factor ELISA Kit | LIF elisa kit

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CATALOG #
AAA85231

REACTIVITY
Human

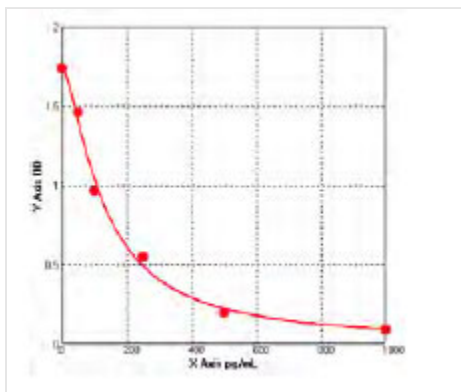
PRODUCT SYNONYMS

Leukemia Inhibitory Factor; Human Leukemia Inhibitory Factor ELISA Kit; LIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LIF. No significant cross-reactivity or interference between LIF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LIF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIF elisa kit	Intended Uses: This LIF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LIF. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: LIF ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-LIF antibody and an LIF-HRP conjugate. The assay sample and buffer are incubated together with LIF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LIF concentration since LIF from samples and LIF-HRP conjugate compete for the anti-LIF antibody binding site. Since the number of sites is limited, as more sites are occupied by LIF from the sample, fewer sites are left to bind LIF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LIF concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LIF elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504991
NCBI GeneID	3976
NCBI Accession #	NP_002300.1
NCBI GenBank Nucleotide #	NM_002309.4
Molecular Weight	9,563 Da
NCBI Official Full Name	leukemia inhibitory factor isoform 1
NCBI Official Synonym Full Names	leukemia inhibitory factor
NCBI Official Symbol	LIF
NCBI Official Synonym Symbols	CDF; DIA; HILDA; MLPLI
NCBI Protein Information	leukemia inhibitory factor; D factor; human interleukin in DA cells; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; cholinergic differentiation factor; differentiation-stimulating factor; differentiation inhibitory activity
UniProt Protein Name	Leukemia inhibitory factor
UniProt Gene Name	LIF
UniProt Synonym Gene Names	HILDA; LIF; D factor; MLPLI
UniProt Entry Name	LIF_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.

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Online datasheet: <https://stage.aaabiotech.com/lif-human-elisa-kits/leukemia-inhibitory-factor/85231>