

Human Leukemia inhibitory factor ELISA Kit | LIF elisa kit

Human Leukemia inhibitory factor ELISA Kit

CATALOG #
AAA98464

REACTIVITY
Human

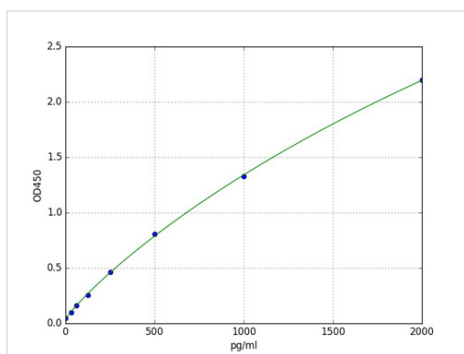
PRODUCT SYNONYMS

Leukemia inhibitory factor; Human Leukemia inhibitory factor ELISA Kit; LIF (Leukemia Inhibitory Factor)/CDF/D factor/DIA/differentiation inhibitory activity/differentiation stimulating factor/Differentiation-stimulating factor/Emfilermin; LIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	202
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Human LIF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.051	0.122	0.173	0.286	0.512	0.899	1.434	2.052

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIF elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human LIF antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human LIF antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human LIF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human LIF can be calculated.

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
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/98464>