

Human LIFR ELISA Kit | LIFR elisa kit

Human LIFR ELISA Kit

CATALOG # AAA106032	REACTIVITY Human	APPLICATIONS ELISA
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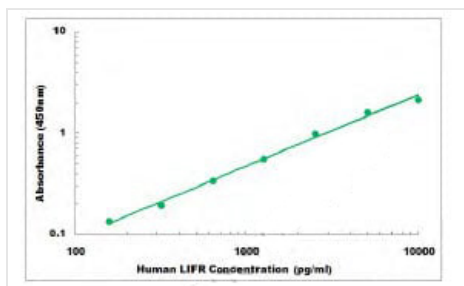
PRODUCT SYNONYMS

LIFR; Human LIFR ELISA Kit; Leukemia inhibitory factor receptor; LIF receptor; LIF-R; CD118; LIFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human LIFR ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human LIFR proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	1097
Samples	Serum, plasma
Sensitivity	Typically less than 10 pg/ml.
Applicable Applications for LIFR elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIFR elisa kit	Principle of the Assay: The Human LIFR ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human LIFR in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human LIFR coated on a 96-well plate. Standards and samples are pipetted into the wells and LIFR present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human LIFR antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of LIFR bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: LIFR, also known as CD118 (Cluster of Differentiation 118), is a subunit of a receptor for leukemia inhibitory factor. This gene encodes a protein that belongs to the type I cytokine receptor family. It is mapped to 5p31.1. The LIF receptor (LIFR) is the low-affinity binding chain that, together with the high-affinity converter subunit gp130, forms a high-affinity receptor complex that mediates the action of the leukemia-inhibitory factor. LIF is a polyfunctional cytokine that affects the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, together with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189083786
NCBI GeneID	3977
NCBI Accession #	NP_001121143.1
NCBI GenBank Nucleotide #	NM_001127671.1
UniProt Accession #	P42702; Q6LCD9
Molecular Weight	– Da
NCBI Official Full Name	leukemia inhibitory factor receptor
NCBI Official Synonym Full Names	leukemia inhibitory factor receptor alpha
NCBI Official Symbol	LIFR
NCBI Official Synonym Symbols	SWS; SJS2; STWS; CD118; LIF-R
NCBI Protein Information	leukemia inhibitory factor receptor; LIF receptor; CD118 antigen
UniProt Protein Name	Leukemia inhibitory factor receptor
UniProt Gene Name	LIFR
UniProt Synonym Gene Names	LIF receptor; LIF-R
UniProt Entry Name	LIFR_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.