

Human Leukemia inhibitory factor receptor ELISA Kit | LIFR elisa kit

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CATALOG #
AAA84000

REACTIVITY
Human

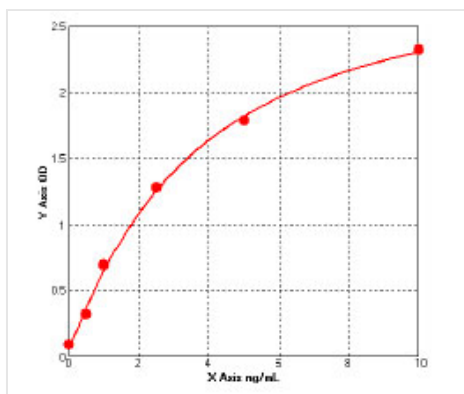
PRODUCT SYNONYMS

Leukemia inhibitory factor receptor; Human Leukemia inhibitory factor receptor ELISA Kit; LIFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIFR elisa kit

Intended Uses: This LIFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LIFR. This ELISA kit for research use only!

Principle of the Assay: LIFR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for LIFR. Standards or samples are then added to the microtiter plate wells and LIFR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of LIFR present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for LIFR are added to each well to "sandwich" the LIFR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain LIFR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LIFR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189083786
NCBI GeneID	3977
NCBI Accession #	NP_001121143.1
NCBI GenBank Nucleotide #	NM_001127671.1
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.