

Mouse Leukemia inhibitory factor receptor ELISA Kit | LIFR elisa kit

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CATALOG #
AAA83917

REACTIVITY
Mouse

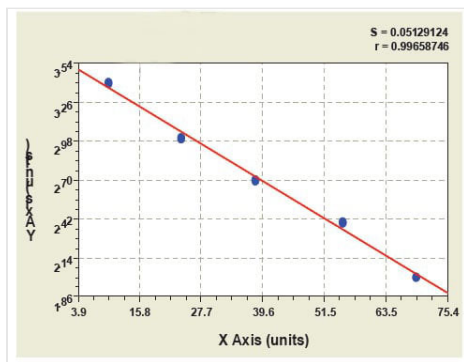
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This LIFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse LIFR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIFR elisa kit

Principle of the Assay: LIFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LIFR antibody and an LIFR-HRP conjugate. The assay sample and buffer are incubated together with LIFR-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 LIFR concentration since LIFR from samples and LIFR-HRP conjugate compete for the anti-LIFR antibody binding site. Since the number of sites is limited, as more sites are occupied by LIFR from the sample, fewer sites are left to bind LIFR-HRP conjugate. 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.