

Human Leukemia Inhibitory Factor Receptor (LIFR) ELISA Kit | LIFR elisa kit

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CATALOG #
AAA139054

REACTIVITY
Human

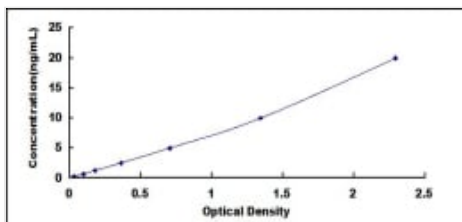
PRODUCT SYNONYMS

Leukemia Inhibitory Factor Receptor (LIFR); Human Leukemia Inhibitory Factor Receptor (LIFR) ELISA Kit; CD118; SJS2; STWS; SWS; LIFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Leukemia Inhibitory Factor Receptor (LIFR). No significant cross-reactivity or interference between Leukemia Inhibitory Factor Receptor (LIFR) and analogues was observed.
Sequence Length	–
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Leukemia Inhibitory Factor Receptor (LIFR) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leukemia Inhibitory Factor Receptor (LIFR) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIFR elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Leukemia Inhibitory Factor Receptor (LIFR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Leukemia Inhibitory Factor Receptor (LIFR). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Leukemia Inhibitory Factor Receptor (LIFR), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Leukemia Inhibitory Factor Receptor (LIFR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LIFR elisa kit	CD & Adhesion molecule; Tumor immunity; Reproductive science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504993
NCBI GeneID	3977
NCBI Accession #	NP_002301.1
NCBI GenBank Nucleotide #	NM_002310.5
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
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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/leukemia-inhibitory-factor-receptor-lifr/139054>