

Rat Leukemia Inhibitory Factor Receptor, Lifr ELISA Kit | Lifr elisa kit

Rat Leukemia Inhibitory Factor Receptor, Lifr Primacu ELISA Kit

CATALOG #
AAA124245

REACTIVITY
Rat

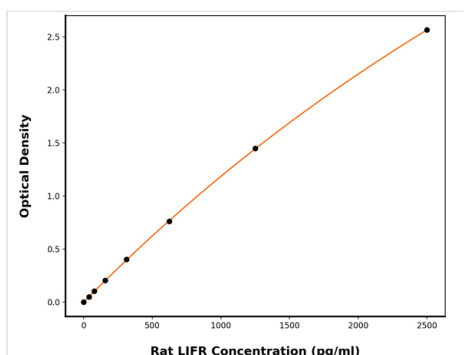
PRODUCT SYNONYMS

Leukemia Inhibitory Factor Receptor; Lifr; Rat Leukemia Inhibitory Factor Receptor; Lifr Primacu ELISA Kit; Leukemia inhibitory factor receptor; LIFR; Lifr elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	39.06-2500pg/mL
Sensitivity	10.12pg/mL
Standard Solution	25ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for Lifr elisa kit	LIFR (leukemia inhibitory factor receptor) belongs to the family of cytokine receptors. LIFR forms a high-affinity receptor complex with gp130, which mediates the activity of LIF (leukemia inhibitory factor) and thus affects the differentiation, proliferation, and survival of a wide variety of cells in the adult and the embryo. Besides LIF, LIFR can also bind to and activate CNTF (ciliary neurotrophic factor) and CLC (Cardiotrophin Like Cytokine). Evidence showed that in the retina, LIFR activating LIF, CT-1, and Cardiotrophin Like Cytokine (CLC) are strongly upregulated in response to preconditioning with bright cyclic light leading to robust activation of signal transducer and activator of transcription-3 (STAT3) in a time-dependent manner. Further, blocking LIFR activation during preconditioning using a LIFR antagonist (LIF05) attenuated the induced STAT3 activation and also resulted in reduced preconditioning-induced protection of the retinal photoreceptors. These data demonstrate that LIFR and its ligands play an essential role in endogenous neuroprotective mechanisms triggered by preconditioning-induced stress. LIFR was newly found to be a suppressor of hepatocellular carcinoma (HCC), one of the world's top five causes of cancer-related deaths.
Product Categories/Family for Lifr elisa kit	Primacu ELISA Kit; Developmental biology; Immunology; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	13591979
NCBI GeneID	81680
NCBI Accession #	NP_112310.1
NCBI GenBank Nucleotide #	NM_031048.1
UniProt Accession #	O70535
Molecular Weight	122,394 Da
NCBI Official Full Name	leukemia inhibitory factor receptor
NCBI Official Synonym Full Names	leukemia inhibitory factor receptor alpha
NCBI Official Symbol	Lifr
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_RAT

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/rat-elisa-kits/leukemia-inhibitory-factor-receptor-lifr/124245>