

Canine Leukemia inhibitory factor receptor ELISA Kit | LIFR elisa kit

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CATALOG #
AAA89057

REACTIVITY
Canine

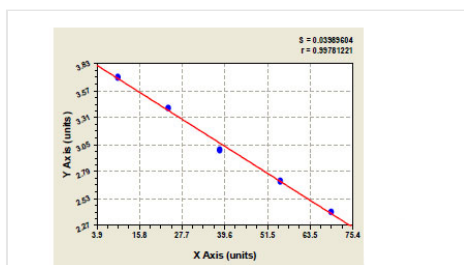
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



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 Canine LIFR. This ELISA kit for research use only!

Principle of the Assay: LIFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.

Product Categories/Family for LIFR elisa kit

[Immunology](#)

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.

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Online datasheet: <https://www.aaabiotech.com/lifr-canine-elisa-kits/leukemia-inhibitory-factor-receptor/89057>