

Canine Leukemia Inhibitory Factor ELISA Kit | LIF elisa kit

Canine Leukemia Inhibitory Factor ELISA Kit

CATALOG #
AAA92907

REACTIVITY
Canine

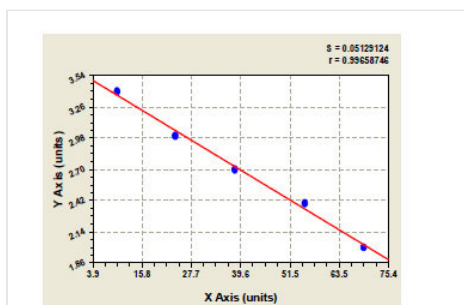
PRODUCT SYNONYMS

Leukemia Inhibitory Factor; Canine Leukemia Inhibitory Factor ELISA Kit; LIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIF elisa kit

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

Principle of the Assay: LIF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LIF antibody and an LIF-HRP conjugate. The assay sample and buffer are incubated together with LIF-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 LIF concentration since LIF from samples and LIF-HRP conjugate compete for the anti-LIF antibody binding site. Since the number of sites is limited, as more sites are occupied by LIF from the sample, fewer sites are left to bind LIF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LIF concentration in each sample is interpolated from this standard curve.

Product Categories/Family for LIF elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504991
NCBI GeneID	3976
NCBI Accession #	NP_002300.1
NCBI GenBank Nucleotide #	NM_002309.4
Molecular Weight	9,563 Da
NCBI Official Full Name	leukemia inhibitory factor isoform 1
NCBI Official Synonym Full Names	leukemia inhibitory factor
NCBI Official Symbol	LIF
NCBI Official Synonym Symbols	CDF; DIA; HILDA; MLPLI
NCBI Protein Information	leukemia inhibitory factor; D factor; human interleukin in DA cells; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; cholinergic differentiation factor; differentiation-stimulating factor; differentiation inhibitory activity
UniProt Protein Name	Leukemia inhibitory factor
UniProt Gene Name	LIF
UniProt Synonym Gene Names	HILDA; LIF; D factor; MLPLI
UniProt Entry Name	LIF_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lif-canine-elisa-kits/leukemia-inhibitory-factor/92907>