

Dog Leukemia Inhibitory Factor (LIF) ELISA Kit | LIF elisa kit

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CATALOG #
AAA151230

REACTIVITY
Dog

PRODUCT SYNONYMS

Leukemia Inhibitory Factor (LIF); Dog Leukemia Inhibitory Factor (LIF) ELISA Kit; LIF/Leukemia Inhibitory Factor; CDF; D-FACTOR; HILDA; MLPLI; Cholinergic Differentiation Factor; Differentiation-Stimulating Factor; Melanoma-Derived LPL Inhibitor; Emfimermin; LIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This assay has high sensitivity and excellent specificity for detection of LIF. No significant cross-reactivity or interference between LIF and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Canine tissue homogenates, cell lysates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 12.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LIF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LIF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for LIF elisa kit	<p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LIF. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LIF. 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 LIF, 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 LIF in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LIF in canine tissue homogenates, cell lysates and other biological fluids.</p>
Product Categories/Family for LIF elisa kit	Cytokine; Tumor immunity; Infection immunity; Neuro science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153269
NCBI GeneID	403449
NCBI Accession #	NP_001184002.1
NCBI GenBank Nucleotide #	NM_001197073.1
UniProt Accession #	J9NRL6
Molecular Weight	22,027 Da
NCBI Official Full Name	leukemia inhibitory factor
NCBI Official Symbol	LIF
NCBI Protein Information	leukemia inhibitory factor
UniProt Protein Name	Uncharacterized protein
UniProt Gene Name	LIF

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://stage.aaabiotech.com/dog-elisa-kits/leukemia-inhibitory-factor-lif/151230>