

Porcine Leukemia Inhibitory Factor ELISA Kit | LIF elisa kit

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CATALOG #
AAA91041

REACTIVITY
Porcine

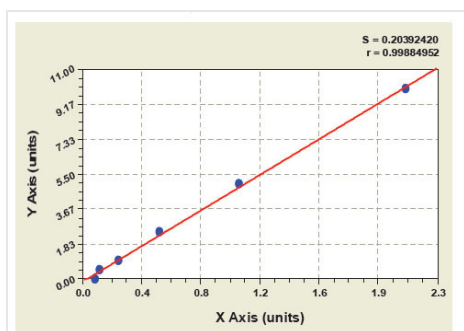
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This LIF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine LIF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LIF elisa kit

Principle of the Assay: LIF ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for LIF. Standards or samples are then added to the microtiter plate wells and LIF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of LIF present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for LIF are added to each well to "sandwich" the LIF immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain LIF and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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Online datasheet: <https://stage.aaabiotech.com/lif-porcine-elisa-kits/leukemia-inhibitory-factor/91041>