Datasheet for ABIN5510575

LIF ELISA Kit

1 Image

Go to Product page

Overview

Quantity:	96 tests
Target:	LIF
Binding Specificity:	AA 24-203
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse LIF
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: S24-F203
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	LIF
Alternative Name:	Lif (LIF Products)
Background:	Protein Function: LIF has the capacity to induce terminal differentiation in leukemic cells. Its

Target Details

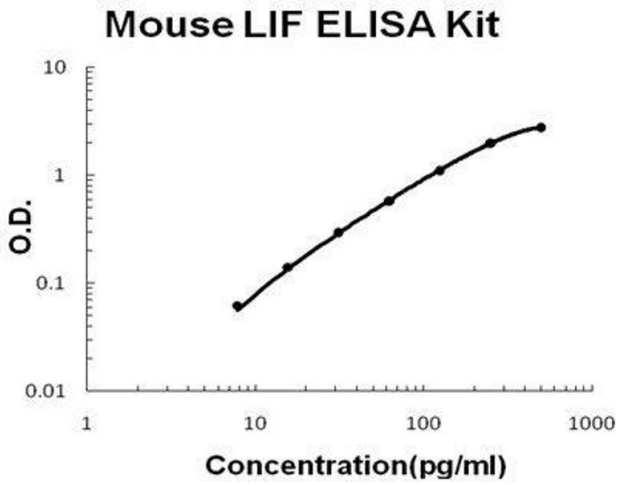
	activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes. Background: Leukemia inhibitory factor, or LIF, is an interleukin 6 class cytokine that affects cell growth by inhibiting differentiation. When LIF levels drop, the cells differentiate. The LIF was mapped gene to 22q11-q12.2 by Southern analysis of a series of mouse/human somatic cell hybrids and by in situ hybridization to the chromosomes of 2 normal males and some individuals with chromosomal rearrangements. The gene maps between the Philadelphia translocation BCR1 and the breakpoint of the translocation in cell line GM2324 at 22q12.2. LIF derives its name from its ability to induce the terminal differentiation of myeloid leukemic cells, thus preventing their continued growth. Other properties attributed to the cytokine include: the growth promotion and cell differentiation of different types of target cells, influence on bone metabolism, cachexia, neural development, embryogenesis and inflammation. Synonyms: Leukemia inhibitory factor,LIF,Differentiation-stimulating factor,D factor,Lif, Full Gene Name: Leukemia inhibitory factor Cellular Localisation: Secreted.
UniProt:	P09056
Pathways:	JAK-STAT Signaling, Positive Regulation of Peptide Hormone Secretion, Negative Regulation of Hormone Secretion, Stem Cell Maintenance, Growth Factor Binding

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Mouse LIF PicoKine ELISA Kit standard curve