



Mouse Interleukin 3,IL-3 ELISA KIT

Product Code	CSB-E04632m
Abbreviation	IL3
Target Name	interleukin 3 (colony-stimulating factor, multiple)
Uniprot No.	P01586
Alias	IL-3, MCGF, MGC79398, MGC79399, MULTI-CSF, P-cell stimulating factor hematopoietic growth factor interleukin 3 mast-cell growth factor multilineage-colony-stimulating factor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	7.8 pg/mL-500 pg/mL
Sensitivity	1.95 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	IL3
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse IL3 ELISA Kit was designed for the quantitative measurement of Mouse IL3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 pg/mL.

Target Details

This protein is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%
 Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%



Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse IL-3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	88
	Range %	83-92
1:2	Average %	95
	Range %	91-100
1:4	Average %	90
	Range %	86-99
1:8	Average %	95
	Range %	86-98

Recovery

The recovery of mouse IL-3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	94	90-98
EDTA plasma (n=4)	97	86-100

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.

