

Datasheet for ABIN6719862

IL-3 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	IL-3
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	7.8 pg/mL - 500 pg/mL
Minimum Detection Limit:	7.8 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Burst promoting activity, Colony stimulating factor multiple, Eosinophil colony stimulating factor, Hematopoietic growth factor, IL 3, IL-3, IL3, IL3_HUMAN, Interleukin 3, Interleukin-3, Mast cell growth factor, MCGF, Multi CSF, Multilineage colony stimulating factor, Multipotential colony stimulating factor, Multipotential colony-stimulating factor, P cell stimulating factor, P-cell-stimulating factor, Thy1 inducing factor</p> <p>Background: The gene IL-3 encodes interleukin 3, a hematopoietic colony-stimulating factor(CSF) that is capable of supporting the proliferation of a broad range of hematopoietic cell types. Interleukin-3(IL-3), a protein of 140 amino acids, is chemically synthesized by means</p>

Product Details

of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3. The cDNA sequence for murine interleukin-3, one of the colony stimulating factors that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide. The mouse IL 3 gene is located on chromosome 11. The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5. The standard product used in this kit is recombinant mouse IL-3, consisting of 135 amino acids with the molecular mass of 15KDa.

Gene Name: IL3

Production: Natural and recombinant mouse IL-3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: A27-C166

Target Details

Target:	IL-3
Alternative Name:	IL-3 (IL-3 Products)
Gene ID:	16187
NCBI Accession:	NP_034686
UniProt:	P01586
Pathways:	JAK-STAT Signaling , Regulation of Carbohydrate Metabolic Process , Autophagy

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.3pg/mL, 15.6pg/mL, 7.8pg/mL mouse IL-3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates or serum to each empty well. We recommend that each mouse IL-3 standard solution and each sample is measured in duplicate.

ELISA Dilution: 7.8pg/mL-500pg/mL

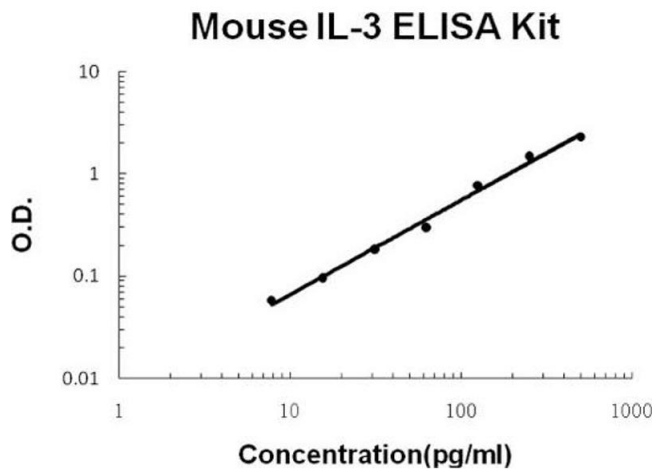
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse IL-3 Accusignal ELISA Kit Mouse IL-3 AccuSignal ELISA Kit standard curve. Assay Range: 7.8pg/ml-500pg/ml. Sensitivity: <1pg/ml.