

Datasheet for ABIN6719837

IL-5 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	IL-5 (IL5)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 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: B cell differentiation factor I, B-cell differentiation factor I, Colony stimulating factor eosinophil, EDF, Eosinophil differentiation factor, IL 5, IL-5, IL5, IL5_HUMAN, Interleukin 5, Interleukin 5 (colony stimulating factor eosinophil), Interleukin-5 Interleukin5, T cell replacing factor, T-cell replacing factor, TRF</p> <p>Background: Interleukin-5(IL-5) is also known as eosinophil differentiation factor(EDF). IL-5 is a potential candidate gene in the pathogenesis of asthma, as it is the main cytokine controlling eosinophil activity and eosinophils are pivotal in the development of airway inflammation. The predicted amino acid sequence of 134 amino acids is identical with that recently reported for</p>

Product Details

human interleukin-5 but shows no significant homology with other known hemopoietic growth regulators. IL-5 is a lineage-specific hematopoietic growth factor that stimulates the production of eosinophils and eosinophil colonies from normal human bone marrow cells. IL-5 gene to human chromosome 5 at bands q23-31. Human and mouse of IL-5 share 70 % amino acid sequence homology.

Gene Name: IL5

Production: Natural and recombinant mouse IL-5. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: SF21, Immunogen sequence: M21-G133

Target Details

Target: IL-5 (IL5)

Alternative Name: IL-5 (IL5 Products)

Gene ID: 16191

NCBI Accession: [NP_034688](#)

UniProt: [P04401](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Production of Molecular Mediator of Immune Response](#), [Feeding Behaviour](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL mouse IL-5 standard solutions into the pre-coated 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. It is recommended that each mouse IL-5 standard solution and each sample be measured in duplicate.
ELISA Dilution: 15.6pg/mL-1000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

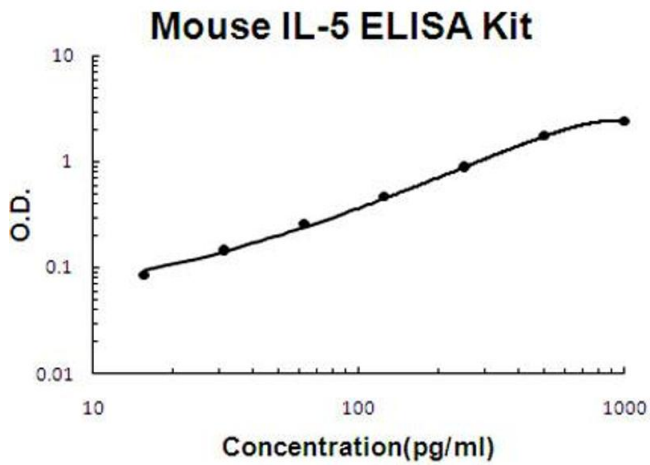
Restrictions: For Research Use only

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-5 Accusignal ELISA Kit Mouse IL-5 AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <2pg/ml.