

Datasheet for ABIN6720048
IL-13 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	IL-13 (IL13)
Reactivity:	Human
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, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:	<p>Synonyms: Allergic rhinitis, ALRH, BHR 1, BHR1, Bronchial hyperresponsiveness 1 (bronchial asthma), IL 13, IL-13, IL13, IL13_HUMAN, Interleukin 13, Interleukin-13, Interleukin13, MGC116786</p> <p>Background: Interleukin 13 (IL-13) is a protein that in humans is encoded by the IL13 gene. IL-13 is cytokine secreted by many cell types, but especially T helper type 2 (Th2) cells which is an important mediator of allergic inflammation and disease. IL-13 induces its effects through a multi-subunit receptor that includes the alpha chain of the IL-4 receptor (IL-4R alpha) and at least one of two known IL-13-specific binding chains. Most of the biological effects of IL-13, like</p>
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Product Details

those of IL-4, are linked to a single transcription factor, signal transducer and activator of transcription 6 (STAT6). The IL13 gene is clustered with IL3, IL5, IL4, and CSF2 on 5q.

Gene Name: IL13

Production: Natural and recombinant human IL-13. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: G21-N132

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL-13 (IL13 Products)
Gene ID:	3596
NCBI Accession:	NP_002179
UniProt:	P35225
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport

Application Details

Application Notes:	<p>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, 31.3pg/mL, 15.6pg/mL human IL-13 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human IL-13 standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

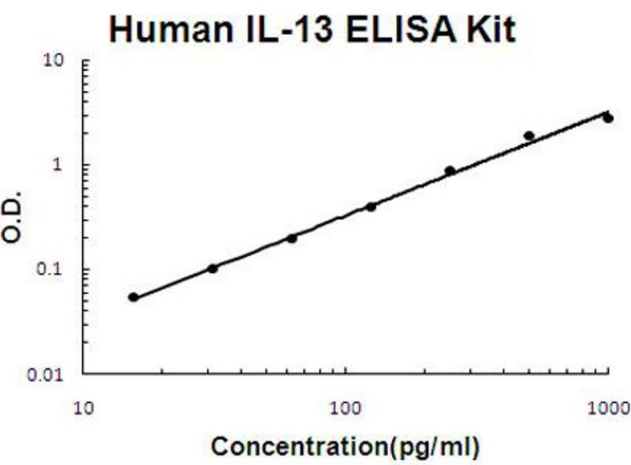
Handling

Storage:	RT, 4 °C, -20 °C
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Handling

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. Human IL-13 Accusignal ELISA Kit Human IL-13 Accusignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/ml.