

Datasheet for ABIN6720067
IL-13 ELISA Kit



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Overview

Quantity:	1 kit
Target:	IL-13 (IL13)
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:	Mouse IL-13 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse IL-13. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 2 pg/mL
Components:	• Antibody-coated 96-well plate • Target Protein Standard • Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL-13 (IL13 Products)
Background:	Synonyms: Allergic rhinitis, ALRH, BHR 1, BHR1, Bronchial hyperresponsiveness 1 (bronchial asthma), IL 13, IL-13, IL13, IL13_HUMAN, Interleukin 13, Interleukin-13, Interleukin13, MGC116787 Background: Interleukin(IL)-13 is a major inducer of fibrosis in many chronic infectious and autoimmune diseases. Recombinant IL-13 protein inhibits inflammatory cytokine production induced by lipopolysaccharide in human peripheral blood monocytes. Moreover, it synergizes with IL-13 in regulating interferon-gamma synthesis in large granular lymphocytes. Interleukin-13 may be critical in regulating inflammatory and immune responses. IL-13 and IL-4 are two cytokines produced by T helper type 2 cells, mast cells, and basophils. In addition to their physiological roles, these cytokines are also implicated in pathological conditions such as asthma and allergy. The genes encoding human IL-4 and IL-13 are located on segment q23-31 of chromosome 5.4 Recombinant mouse IL-13 is a mixture of Ser26-Phe131 amino acids with the molecular mass of 11.5KDa.
Gene ID:	16163
NCBI Accession:	NP_032381
UniProt:	P20109
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport

Application Details

Application Notes:	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-13 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer
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Application Details

into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse IL-13 standard solution and each sample be measured in duplicate.

Comment:	Standard: Expression system for standard: E.coli, Immunogen sequence: S26-F131
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	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.
Expiry Date:	12 months

Images

