

Datasheet for ABIN6720067

IL-13 ELISA Kit





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 plateTarget Protein Standard

Detection antibody

- 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 q23-3
	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 Molecula
	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 buffe

Application Details

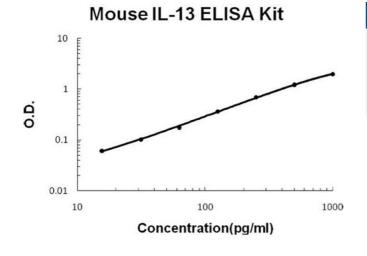
	into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell
	culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended
	that each mouse IL-13 standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system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

Images

Expiry Date:



12 months

ELISA

Image 1. Mouse IL-13 Accusignal ELISA Kit Mouse IL-13
AccuSignal ELISA Kit standard curve. Assay
Range: 15.6pg/ml-1000pg/ml. Sensitivity: <2pg/ml.</p>