

Datasheet for KOA0238**Mouse IL-13 ELISA Kit****Overview**

Description:	Mouse IL-13 AccuSignal ELISA Kit - KOA0238
Item No.:	KOA0238
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	IL13
Reactivity:	Mouse
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: S26-F131

Purity/Specificity: Natural and recombinant mouse IL-13. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P20109](#)
- [NCBI - NP_032381.1](#)
- [GeneID - 16163](#)
- [KOA0238 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Other: Expiration dates:
2-8° C - 2/18/18
-20° C - 8/9/18

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

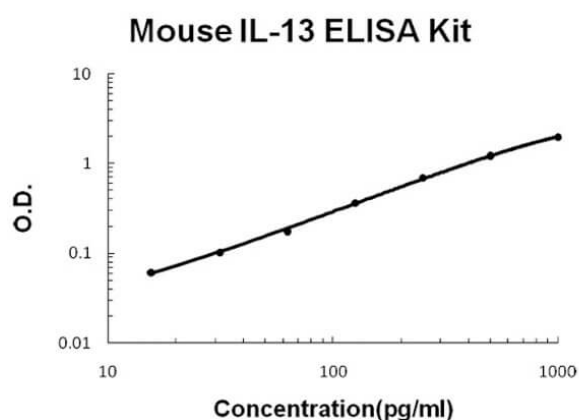
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: 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.

Expiration: See kit insert for complete instructions.

Images



ELISA

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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.