

Datasheet for KOA0524**Mouse IL-23 ELISA Kit****Overview**

Description:	Mouse IL-23 AccuSignal ELISA Kit - KOA0524
Item No.:	KOA0524
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Interleukin-23 subunit alpha(IL-23) is a protein that in humans is encoded by the IL23A gene. IL-23 is a heterodimeric cytokine consisting of two subunits, one called p40, which is shared with another cytokine, IL-12, and another called p19(the IL-23 alpha subunit). IL-23 is an important part of the inflammatory response against infection. It promotes upregulation of the matrix metalloprotease MMP9, increases angiogenesis and reduces CD8+ T-cell infiltration. Recently, IL-23 has been implicated in the development of cancerous tumors. The International Radiation Hybrid Mapping Consortium mapped the p19 gene to chromosome 12(stSG47812).
Synonyms:	IL 23, IL 23A, IL-23 subunit alpha, IL-23-A, IL-23p19, IL23a, IL23A_HUMAN, IL23P19, Interleukin 23 alpha subunit p19, Interleukin-23 subunit alpha, Interleukin-23 subunit p19, JKA3 induced upon T cell activation, P19, SGRF
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	IL23A
Reactivity:	Mouse
Immunogen:	Expression system for standard: sf21; Immunogen sequence: (M23-S419)+(L20-A196)
Purity/Specificity:	Natural and recombinant mouse IL-23. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - Q9EQ14 • NCBI - NP_112542.1 • GeneID - 83430 • KOA0524 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse IL-23 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 supernatant, serum or plasma (heparin) to each empty well. It is recommended that each mouse IL-23 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.

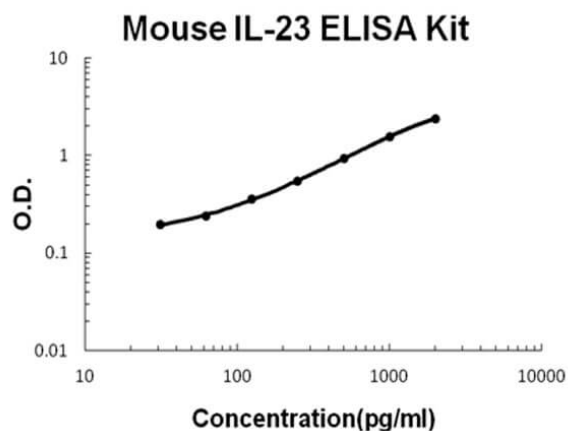
Formulation

Anticoagulant:	Heparin Sodium
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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-23 AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/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.