

Datasheet for KOA0470**Mouse IL-21 ELISA Kit****Overview**

Description:	Mouse IL-21 AccuSignal ELISA Kit - KOA0470
Item No.:	KOA0470
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Interleukin-21 is a protein that in humans is encoded by the IL21 gene. Interleukin 21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer(NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. By radiation hybrid analysis, the IL21 gene is mapped to chromosome 4q26-q27, near the IL2 gene. IL21 stimulates B-cell proliferation in an anti-CD40-dependent manner but inhibits proliferation stimulated by IL4 plus anti-IgM. The biologic effects of IL21 on NK cells differ between species, with human IL21 enhancing NK cell proliferation and murine IL21 inhibiting NK cell proliferation. IL21 is a cytokine highly expressed by mouse T(H)17 cells.
Synonyms:	Cytokine CX2, DN 452A22.7, IL 21, Interleukin 21, Interleukin 21 isoform, Interleukin21, OTTMUSP00000007838, Za11
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL21
Reactivity:	Mouse
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: P25-S146
Purity/Specificity:	Natural and recombinant mouse IL-21. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - Q5SUE2 • NCBI - NP_068554.1 • GeneID - 60505 • KOA0470 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 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse IL-21 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 or serum to each empty well. It is recommended that each mouse IL-21 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:	DOE @ 4°C 08/05/2025 @-20° 02/05/2026

Formulation

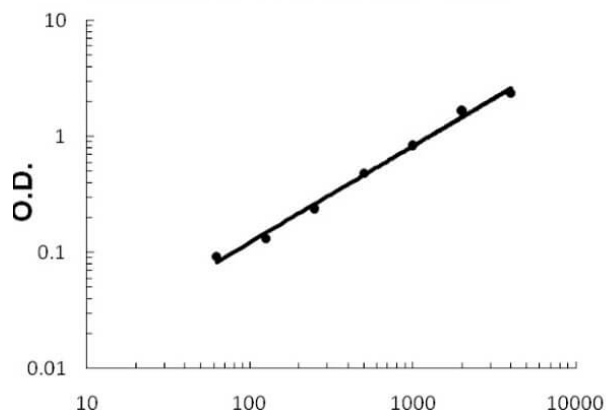
Concentration:	1 Kit
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Shipping & Handling

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

Mouse IL-21 ELISA Kit



ELISA

Mouse IL-21 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/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.