

Datasheet for KOA0654

Mouse IL-15RA ELISA Kit**Overview**

Description:	Mouse IL15RA AccuSignal ELISA Kit - KOA0654
Item No.:	KOA0654
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	125 pg/ml - 8000 pg/ml

Product Details

Background:	Interleukin 15 receptor, alpha subunit is a subunit of the interleukin 15 receptor which is encoded by the gene IL15RA in humans. The human IL15RA gene was mapped to chromosome 10p15-p14 by FISH and the mouse Il15ra gene was mapped to chromosome 2. The cytoplasmic domain of IL15R-alpha, like that of IL2R-alpha, was dispensable for mitogenic signaling, suggesting that the primary role of the alpha chains is to confer high-affinity binding. At high concentrations, IL15, like IL2, was able to signal through a complex of IL2R-beta and -gamma in the absence of the alpha subunit. The soluble receptor displayed high affinity for IL15 and inhibited both binding of IL15 to the membrane receptor and IL15-induced cell proliferation.
Synonyms:	AA690181, CD215, IL15RA_HUMAN, IL 15R alpha, IL-15 receptor subunit alpha, IL-15R-alpha, IL-15RA, IL15RA, Interleukin 15 receptor alpha, Interleukin 15 receptor subunit alpha, MGC104179, sIL-15 receptor subunit alpha, sIL-15R-alpha, sIL-15RA, Soluble interleukin 15 receptor subunit alpha, Soluble interleukin-15 receptor subunit alpha
Detection Kit Type:	ELISA Kit
Detection Range:	125 pg/ml - 8000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL15RA
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: G33-K205

Purity/Specificity: Natural and recombinant mouse IL15RA. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q60819](#)
- [NCBI - NP_001258426.1](#)
- [GeneID - 16169](#)
- [KOA0654 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml mouse IL15RA 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 IL15RA 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

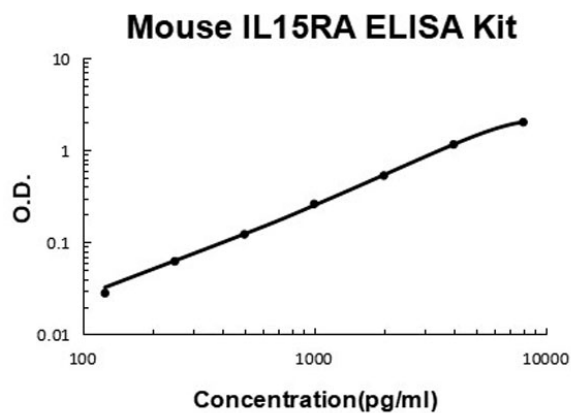
Shipping & Handling

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 IL15RA ELISA Kit standard curve.

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.