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Datasheet for ABIN6720034
IL15RA ELISA Kit

Overview

Quantity:	1 kit
Target:	IL15RA
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	125 pg/mL - 8000 pg/mL
Minimum Detection Limit:	125 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: AA690181, CD215, I15RA_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</p> <p>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</p>

Product Details

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.

Gene Name: IL15RA

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

Standard: Expression system for standard: NSO, Immunogen sequence: G33-K205

Target Details

Target:	IL15RA
Alternative Name:	IL15RA (IL15RA Products)
Gene ID:	16169
NCBI Accession:	NP_001258426
UniProt:	Q60819
Pathways:	JAK-STAT Signaling

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 8000pg/mL, 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL mouse IL15RA standard solutions into the pre-coated 96-well plate. Add 0.1 mL of the sample diluent buffer 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 IL15RA standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 125pg/mL-8000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 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.