Human Interleukin-15 receptor subunit alpha(IL15RA) ELISA kit

Product Code	CSB-EL011594HU
Abbreviation	IL15RA
Target Name	interleukin 15 receptor, alpha
Uniprot No.	Q13261
Alias	RP11-536K7.2, MGC104179
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	IL15RA
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human IL15RA ELISA Kit was designed for the quantitative measurement of Human IL15RA protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	This protein is a cytokine receptor that specifically binds IL15 with high affinity. The receptors of IL15 and IL2 share two subunits, the IL2R beta and IL2R gamma chains. This forms the basis of many overlapping biological activities of IL15 and IL2. The IL2 receptor requires an additional IL2-specific alpha subunit for high affinity IL2 binding. This protein is structurally related to IL2R alpha, but is capable of binding IL15 with high affinity independent of other subunits, which suggests the distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2- XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported. The full length sequences of only two variants encoding distinct

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	isoforms are available.						
Product Precision	 Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess. 						
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of human IL15RA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.						
	?	Sample		Serum(n=4)	-4)		
	1:1	Average %		93			
		Range %		88-97			
	1.2	Average %		95			
	1.2	Range %		91-99			
	1:4	Average %		92			
		Range %		87-97			
	1:8	Average %		89			
		Range %		85-93			
Recovery	The recovery of human IL15RA spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.						
	Sample Type		Average %	6 Recovery	Range		
	Serum (n=5)		91		88-93		
	EDTA plasma (n=4)		104		101-108		
Typical	These standard curves are provided for demonstration only. A standard curve						

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.

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