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IL6RA ELISA Kit





Overview

Quantity:	1 kit
Target:	IL6RA
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen		
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum		
Analytical Method:	Quantitative		
Detection Method:	Colorimetric		
Characteristics:	Synonyms: CD126, CD126 antigen, Gp80, IL 6R 1, IL 6R alpha, IL-6 receptor subunit alpha, IL-6R		
	1, IL-6R subunit alpha, IL-6R-1, IL-6R-alpha, IL-6RA, II6r, IL6R1, IL6RA, IL6RA_HUMAN, IL6Ralpha,		
	Interleukin 6 receptor, Interleukin 6 receptor alpha chain, Interleukin-6 receptor subunit alpha,		
	Membrane glycoprotein 80, MGC104991, OTTHUMP00000034320		
	Background: IL6R alpha(IL6RA) also known as CD126 or IL6R, is a type I cytokine receptor. The		
	IL6 receptor is a protein complex consisting of a IL-6 receptor subunit(IL6R) and interleukin 6		
	signal transducer Glycoprotein 130. IL6R also denotes the human gene encoding this subunit.		

Alternatively spliced transcript variants encoding distinct isoforms have been reported. IL6R

subunit is also shared by many other cytokines. Interleukin-6 receptor has been shown to interact with Interleukin 6 and Ciliary neurotrophic factor. Ligand binding did not appear to affect IL6R dimerization status. IL6R dimerization occurs both on the cell surface and in solution.

Gene Name: IL6R

Production: Natural and recombinant human IL-6R alpha. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: L20-D358

Target Details

Target:	IL6RA
Alternative Name:	IL-6R alpha (IL6RA Products)
Gene ID:	3570
NCBI Accession:	NP_000556
UniProt:	A0N0L5
Pathways:	JAK-STAT Signaling, Autophagy, Growth Factor Binding, Cancer Immune Checkpoints

Application Details

Appl	lication	Notes:
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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human IL-6R alpha standard solutions into the precoated 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 human cell culture supernates, serum, plasma(heparin, EDTA, citrate) or urine to each empty well. It is recommended that each human IL-6R alpha standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

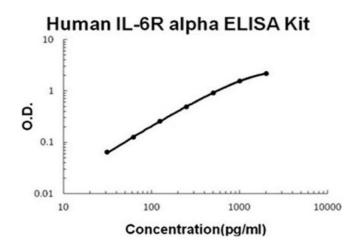
Plate: Pre-coated

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.

Images



ELISA

Image 1. Human IL-6R alpha Accusignal ELISA Kit Human IL-6R alpha AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.