

Datasheet for KOA0458**Human IL-6R alpha ELISA Kit****Overview**

Description:	Human IL-6R alpha AccuSignal ELISA Kit - KOA0458
Item No.:	KOA0458
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

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.
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, Il6r, IL6R1, IL6RA, IL6RA_HUMAN, IL6Ralpha, Interleukin 6 receptor, Interleukin 6 receptor alpha chain, Interleukin-6 receptor subunit alpha, Membrane glycoprotein 80, MGC104991, OTTHUMP00000034320
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL6R
Reactivity:	Human
Immunogen:	Expression system for standard: sf21; Immunogen sequence: L20-D358

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

Relevant Links:

- [UniProtKB - A0N0L5](#)
- [NCBI - NP_000556.1](#)
- [GeneID - 3570](#)
- [KOA0458 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.

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.

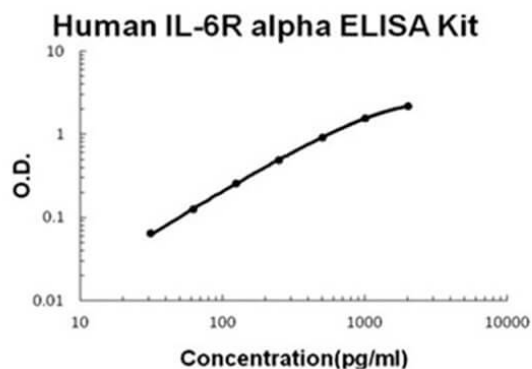
Expiration: See kit insert for complete instructions.

Images

ELISA

Human IL-6R alpha AccuSignal ELISA Kit standard curve.

Assay Range: 31.2pg/ml-2000pg/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.