

Human IL-6R ELISA Kit | IL-6R elisa kit

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CATALOG #
AAA258361

REACTIVITY
Human

PRODUCT SYNONYMS

IL-6R; Human IL-6R ELISA Kit; IL-6R ELISA Kit; Human; interleukin 6 receptor; CD126 ELISA Kit; gp80 ELISA Kit; IL-6R-1 ELISA Kit; IL-6RA ELISA Kit; IL6Q ELISA Kit; IL6RA ELISA Kit; IL6RQ ELISA Kit; IL-6R elisa kit

PRODUCT SPECIFICATIONS

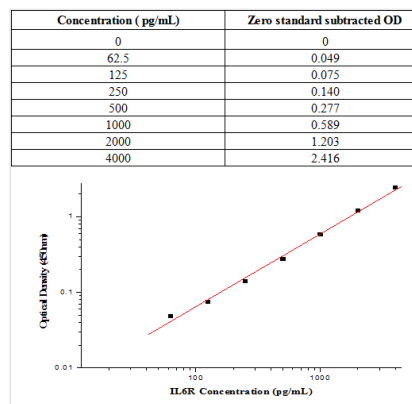
Reactivity	Human
Specificity	For the quantitative determination of Human IL-6R concentration in serum and urine.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Urine
Detection Range	62.5-4000pg/mL
Sensitivity	33.95pg/mL
Conjugation	HRP
Interference	Preparations of the factors listed below at 50ng/mL in a mid-range recombinant human IL6R control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
EGF	FGF acidic	FGF basic	G-CSF
gp130	GRO α	IFN- γ	IGF-I
IL-1 α	IL-1 β	IL-1ra	IL-2
IL-3	IL-4	IL-5	IL-6
IL-7	IL-8	IL-9	IL-10
M-CSF	MCP-1	OSM	SLPI
TGF- α	TGF- β 1	TNF- α	TNF- β
TNF RI	TNF RII	IL6	IL-33
IL8	CCL4	TIMP-1	TIMP-2
CSF2	SCF	PDGF	VEGF
Recombinant mouse			
IL-1 α	IL-1 β	IL-4	IL-5
IL-6	IL-7	SCF	TNF- α

Application Data

This assay recognizes both recombinant and natural Human IL6R. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for IL-6R elisa kit	This IL-6R ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-6R protein in Serum, Urine. It contains recombinant Human IL-6R, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Interleukin 6 receptor (IL-6R) also known as CD126 (Cluster of Differentiation 126) is a type I cytokine receptor. The low concentration of a soluble form of IL-6 receptor (sIL-6R) acts as an agonist of IL-6 activity. In the IL-6R/CD126/IL6R system, both a membrane-bound IL-6R and a sIL-6R protein can mediate IL-6 signals into the cells through the interaction of gp130. The resulting IL-6/sIL-6R protein complex is also capable of binding to gp130 and inducing intracellular signaling. Through this so-called 'trans-signaling' mechanism, IL-6 can stimulate cells that lack an endogenous mIL-6R. High levels of IL-6 and sIL-6R have been reported in several chronic inflammatory and autoimmune diseases as well as in cancer.
References	Barill S, et al. (2000) The role of interleukin-6 and interleukin-6/interleukin-6 receptor-alpha complex in the pathogenesis of multiple myeloma. Eur Cytokine Netw. 11(4): 546-51. Kang KW, et al. (2007) Novel role of IL-6/sIL-6R signaling in the expression of inducible nitric oxide synthase (iNOS) in murine B16, metastatic melanoma clone F10.9, cells. Free Radic Biol Med. 42(2): 215-27.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/il-6r/258361>