

Human Interleukin 6 receptor ELISA Kit | IL 6R elisa kit

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CATALOG #
AAA95937

REACTIVITY
Human

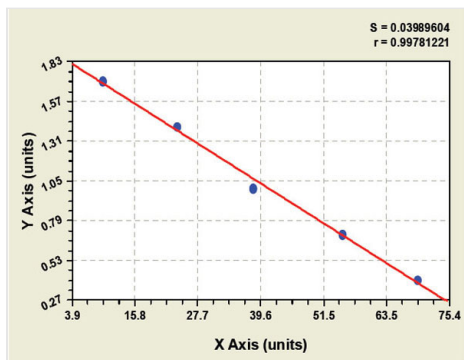
PRODUCT SYNONYMS

Interleukin 6 receptor; Human Interleukin 6 receptor ELISA Kit; IL 6R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000 pg/mL
Sensitivity	1.0 pg/mL
Intended Uses	This IL-6R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human IL-6R. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL 6R elisa kit

Principle of the assay: IL-6R ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IL-6R antibody and an IL-6R-HRP conjugate. The assay sample and buffer are incubated together with IL-6R-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IL-6R concentration since IL-6R from samples and IL-6R-HRP conjugate compete for the anti-IL-6R antibody binding site. Since the number of sites is limited, as more sites are occupied by IL-6R from the sample, fewer sites are left to bind IL-6R-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL-6R concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	332309226
NCBI GeneID	3570
NCBI Accession #	NP_001193795.1
NCBI GenBank Nucleotide #	NM_001206866.1
Molecular Weight	40,237 Da
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 3
NCBI Official Synonym Full Names	interleukin 6 receptor
NCBI Official Symbol	IL6R
NCBI Official Synonym Symbols	IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1
NCBI Protein Information	interleukin-6 receptor subunit alpha; IL-6R 1; CD126 antigen; membrane glycoprotein 80; IL-6 receptor subunit alpha
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	IL6R
UniProt Synonym Gene Names	IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; gp80
UniProt Entry Name	IL6RA_HUMAN

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.