

Guinea Pig Soluble interleukin 6 receptor ELISA Kit | Sil-6R/cd126 elisa kit

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CATALOG #
AAA85889

REACTIVITY
Guinea Pig

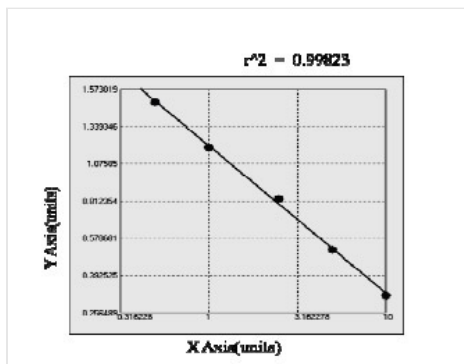
PRODUCT SYNONYMS

Soluble interleukin 6 receptor; Guinea pig Soluble interleukin 6 receptor ELISA Kit; Sil-6R/cd126 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SIL-6R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig SIL-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 Sil-6R/cd126 elisa kit

Principle of the Assay: SIL-6R ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SIL-6R antibody and an SIL-6R-HRP conjugate. The assay sample and buffer are incubated together with SIL-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 SIL-6R concentration since SIL-6R from samples and SIL-6R-HRP conjugate compete for the anti-SIL-6R antibody binding site. Since the number of sites is limited, as more sites are occupied by SIL-6R from the sample, fewer sites are left to bind SIL-6R-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SIL-6R concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	633863
NCBI GeneID	3570
Molecular Weight	40,237 Da
NCBI Official Full Name	Soluble interleukin-6 receptor, partial
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.

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 Online datasheet: <https://stage.aaabiotech.com/sil-6r-cd126-guinea-pig-pig-elisa-kits/soluble-interleukin-6-receptor/85889>