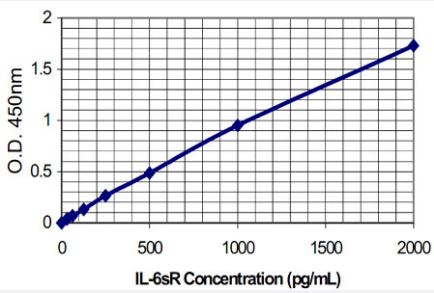
IL6R (Human) ELISA Kit

Catalog # KA0523 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	IL6R (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human IL6R.
Suitable Sample	Cell Culture Supernatant, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	6.61%
Inter-Assay	6.68%
Spiking Recovery	Serum: 101.00%, Plasma: 100.00%, Cell Culture Supernatant: 99.00%
Calibration Range	31.2 to 2000 pg/mL
Limit of Detection	31.2 pg/mL
Reactivity	Human

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Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — IL6R

Entrez GeneID	3570
Gene Name	IL6R
Gene Alias	CD126, IL-6R-1, IL-6R-alpha, IL6RA, MGC104991
Gene Description	interleukin 6 receptor
Omim ID	147880
Gene Ontology	Hyperlink
Gene Summary	Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. The protein encoded by this gene is a subunit of the receptor complex for IL6. The IL6 receptor is a protein complex consisting of this protein and interl eukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternativ ely spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSe q
Other Designations	CD126 antigen|OTTHUMP00000034320|interleukin 6 receptor alpha subunit

Publication Reference

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- Effects of cell-cell crosstalk on gene expression patterns in a cell model of renal cell carcinoma lung metastasis.

  Katarzyna Kaminska, Anna M Czarnecka, Mohammed Imran Khan, Wojciech Fendler, Aleksandra Klemba, Pawel Krasowski, Ewa Bartnik, Cezary Szczylik

  Int J Oncol 2018 Mar; 52(3):768-786.

- Interleukin?6 induces an epithelial?mesenchymal transition phenotype in human adamantinomatous craniopharyngioma cells and promotes tumor cell migration.

  Jie Zhou, Chao Zhang, Jun Pan, Ligang Chen, Song-Tao Qi

  Mol Med Rep 2017 Jun; 15(6):4123-4131.

- Human soluble IL-6 receptor: its detection and enhanced release by HIV infection.

  Honda M, Yamamoto S, Cheng M, Yasukawa K, Suzuki H, Saito T, Osugi Y, Tokunaga T, Kishimoto T.

  Journal of Immunology 1992 Apr; 148(7):2175.

  Application: Quant, Human, Recombinant proteins, Serum, U-937 cells

- Preparation of soluble murine IL-6 receptor and anti-murine IL-6 receptor antibodies.

  Saito T, Yasukawa K, Suzuki H, Futatsugi K, Fukunaga T, Yokomizo C, Koishihara Y, Fukui H, Ohsugi Y, Yawata H, et al..

  Journal of Immunology 1991 Jul; 147(1):168.

  Application: Quant, Human, Recombinant proteins

- Purification and characterization of soluble human IL-6 receptor expressed in CHO cells.

  Yasukawa K, Saito T, Fukunaga T, Sekimori Y, Koishihara Y, Fukui H, Ohsugi Y, Matsuda T, Yawata H, Hirano T, et al..

  Journal of Biochemistry 1990 Oct; 108(4):673.

  Application: Quant, Recombinant proteins

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

Disease

- Abscess

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- Adenocarcinoma
- Alzheimer disease
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Behcet Syndrome
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis
- Connective Tissue Diseases
- Coronary Disease
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Esophageal Neoplasms
- Esophagitis
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Glucose Intolerance
- Hematologic Diseases

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- Hodgkin Disease
- Hyperandrogenism
- Hyperglycemia
- Infant
- Infection
- Inflammation
- Insulin Resistance
- Kidney Failure
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Multiple Myeloma
- Musculoskeletal Diseases
- Myelodysplastic Syndromes
- Neoplasm Invasiveness
- Neoplasms
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoporosis
- Pain
- Periodontitis

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- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psoriasis
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Respiratory Syncytial Virus Infections
- Respiratory Tract Infections
- Schizophrenia
- Sepsis
- Skin Diseases
- Skin Neoplasms
- Thoracic Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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