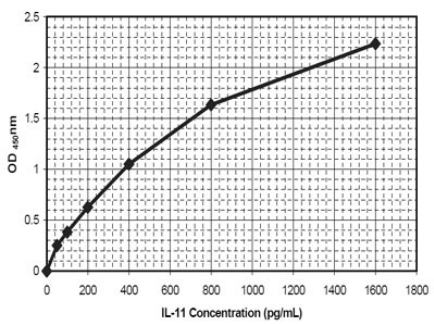
IL11 (Human) ELISA Kit

Catalog # KA0526 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	IL11 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human IL11.
Suitable Sample	Cell Culture Supernatant, Plasma, Serum
Sample Volume	100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	4.55%
Inter-Assay	6.91%
Spiking Recovery	Serum: 97.00%, Plasma (EDTA): 108.00%, Cell Culture Supernatant: 98.00%
Calibration Range	4 to 1540 pg/mL
Limit of Detection	4 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 — IL11

Entrez GeneID	3589
Gene Name	IL11
Gene Alias	AGIF, IL-11
Gene Description	interleukin 11
Omim ID	147681
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T -cell-dependent development of immunoglobulin-producing B cells. It is also found to support the p roliferation of hematopoietic stem cells and megakaryocyte progenitor cells. [provided by RefSeq
Other Designations	adipogenesis inhibitory factor|oprelvekin

Publication Reference

- Interleukin-11 (IL-11) in aseptic loosening of total hip replacement (THR).

  Xu JW, Li TF, Partsch G, Ceponis A, Santavirta S, Konttinen YT.

  Scandinavian Journal of Rheumatology 2009 Jul; 27(5):363.

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- Determination of interleukin-11 in seminal plasma and elevated IL-11 in seminal plasma of infertile patients with urogenital infection.

  Matalliotakis I, Kyriakou D, Fragouli Y, Loutradis D, Goumenou A, Koumantakis E.

  Archives of Andrology 1998 Nov; 41(3):177.

  Application: Quant, Human, Seminal plasma

- Molecular cloning and characterization of murine interleukin-11.

  Morris JC, Neben S, Bennett F, Finnerty H, Long A, Beier DR, Kovacic S, McCoy JM, DiBlasio-Smith E, La Vallie ER, Caruso A, Calvetti J, Morris G, Weich N, Paul SR, Crosier PS, Turner KJ, Wood CR.

  Exp Hematol 1996 Aug; 24(12):1369.

Pathway

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

Disease

- Alzheimer disease
- Asthma
- Bronchiolitis
- Cardiovascular Diseases
- Colitis
- Depressive Disorder
- Diabetes Complications
- Genetic Predisposition to Disease
- Infant
- Metabolic Syndrome X
- Neoplasms

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- Osteoporosis
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Respiratory Syncytial Virus Infections

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