

Human IL-11 ELISA Kit | IL11 elisa kit

Human IL-11 PicoKine ELISA Kit

CATALOG #
AAA45774

REACTIVITY
Human

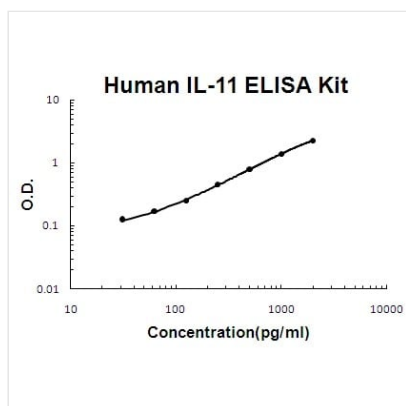
PRODUCT SYNONYMS

IL-11; Human IL-11 PicoKine ELISA Kit; Interleukin-11; interleukin 11; Adipogenesis inhibitory factor; AGIF; IL 11; IL11; IL11_HUMAN; Interleukin 11; Interleukin11; Oprelvekin; IL11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL-11
Sequence Length	199
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay)Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays)Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human IL-11 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL11 elisa kit	Principle of the assay: human IL-11 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-11 has been precoated onto 96-well plates. Standards(E.coli, P22-L199) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-11 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human IL-11 amount of sample captured in plate. Background: Interleukin 11 (IL-11) is a protein that in humans is encoded by the IL11 gene. The protein encoded by this gene is a member of the gp130 family of cytokines. This gene is mapped to 19q13.42. It is a key regulator of multiple events in hematopoiesis, most notably the stimulation of megakaryocyte maturation. IL-11 has been demonstrated to improve platelet recovery after chemotherapy-induced thrombocytopenia, induce acute phase proteins, modulate antigen-antibody responses, participate in the regulation of bone cell proliferation and differentiation and could be use as a therapeutic for osteoporosis. What's more, IL-11 can stimulate the growth of certain lymphocytes and it has functions in many other tissues, including the brain, gut, testis and bone. In transgenic mice, overexpression of the human IL11 gene resulted in the stimulation of bone formation to increase cortical thickness and strength of long bones.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124294
NCBI GeneID	3589
UniProt Accession #	P20809; Q96EB4; B4DQV5
Molecular Weight	12,994 Da
NCBI Official Full Name	Interleukin-11
NCBI Official Synonym Full Names	interleukin 11
NCBI Official Symbol	IL11
NCBI Official Synonym Symbols	AGIF; IL-11
NCBI Protein Information	interleukin-11; oprelvekin; adipogenesis inhibitory factor
UniProt Protein Name	Interleukin-11
UniProt Gene Name	IL11
UniProt Synonym Gene Names	IL-11; AGIF
UniProt Entry Name	IL11_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.