

Human IL-6 ELISA Kit | IL6 elisa kit

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CATALOG # AAA261650	REACTIVITY Human	APPLICATIONS ELISA
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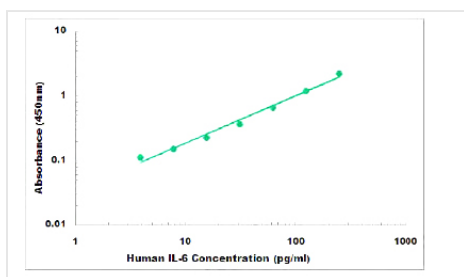
PRODUCT SYNONYMS

IL-6; Human IL-6 ELISA Kit; IFNB2; Interleukin-6; B-cell stimulatory factor 2; BSF-2; CTL differentiation factor; CDF; Hybridoma growth factor; Interferon beta-2; IFN-beta-2; IL6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-6 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-6 proteins within the range of 3.9 pg/ml - 250 pg/ml.
Sequence Length	212
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.
Sensitivity	2 pg/ml.
Applicable Applications for IL6 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL6 elisa kit	Principle of the Assay The Human IL-6 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-6 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human IL-6 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-6 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-6 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-6 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: The human interferon-beta 2 gene (IFNB2) product is identical to that for the B-cell stimulation factor-2 (BSF-2), the hybridoma growth factor (HGF) ("interleukin-6"), and the hepatocyte stimulating factor (HSF). Proteins derived from this gene mediate the plasma protein response to tissue injury (acute-phase response) and regulate the growth and differentiation of both B and T cells. Interleukin-6 (IL6) has come to be regarded as a potential osteoporotic factor because it has stimulatory effects on cells of the osteoclast lineage, and, thus, may play a role in the pathogenesis of bone loss associated with estrogen deficiency. IL-6 has many roles essential to the regulation of the immune response, hematopoiesis, and bone resorption. It is involved not only in the hepatic acute phase response but also in adipose tissue metabolism, lipoprotein lipase activity, and hepatic triglyceride secretion. Overproduction of IL-6, a proinflammatory cytokine, is associated with a spectrum of age-related conditions including cardiovascular disease, osteoporosis, arthritis, type 2 diabetes, certain cancers, periodontal disease, frailty, and functional decline. BSF-2 is a novel interleukin consisting of 184 amino acids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124347
NCBI GeneID	3569
UniProt Accession #	P05231; Q9UCU2; Q9UCU3; Q9UCU4
Molecular Weight	23,718 Da
NCBI Official Full Name	Interleukin-6
NCBI Official Synonym Full Names	interleukin 6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	CDF; HGF; HSF; BSF2; IL-6; BSF-2; IFNB2; IFN-beta-2
NCBI Protein Information	interleukin-6
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IFNB2; IL-6; BSF-2; CDF; IFN-beta-2
UniProt Entry Name	IL6_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.