

Human Interleukin 6 ELISA Kit | IL-6 elisa kit

Human Interleukin 6 ELISA Kit

CATALOG #
AAA17348

REACTIVITY
Human

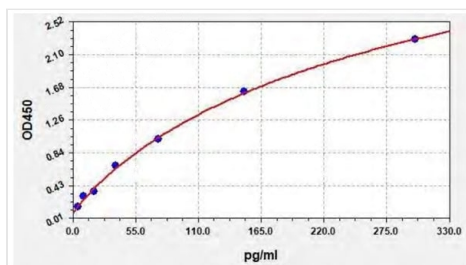
PRODUCT SYNONYMS

Interleukin 6; Human Interleukin 6 ELISA Kit; IL-6 (Interleukin 6)/IL6/BSF2/HGF/HSF/IFNB2/CDF; IL-6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize IL-6, no obvious cross reaction with other analogues
Sequence Length	212
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	4.688-300pg/ml
Sensitivity	2.813pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-6 elisa kit	Background: Interleukin-6 (IL-6) is a multifunctional cytokine produced by various cells, including monocytes, lymphocytes, endothelial cells, fibroblasts, bone marrow stromal cells, and epithelial cells. It plays important roles in the inflammatory response, immune response, acute phase response, and other physiological processes in the body. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IL-6 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti IL-6 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with IL-6 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of IL-6 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834984
NCBI GeneID	3569
NCBI Accession #	NP_000591.1
NCBI GenBank Nucleotide #	NM_000600.4
Molecular Weight	23,718 Da
NCBI Official Full Name	interleukin-6 isoform 1
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.