

Rat Interleukin 6 ELISA Kit | IL-6 elisa kit

Rat Interleukin 6 (IL-6) ELISA Kit

CATALOG # AAA55940	REACTIVITY Rat
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PRODUCT SYNONYMS

Interleukin 6; Rat Interleukin 6 (IL-6) ELISA Kit; BSF2; HGF; HSF; IFNB2; IL-6; B cell stimulatory factor-2|B-cell differentiation factor|CTL differentiation factor|OTTHUMP00000158544|hybridoma growth factor|interleukin 6|interleukin BSF-2; IL-6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat IL-6. No significant cross-reactivity or interference between Rat IL-6 and analogues was observed.
Sequence Length	212
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	6.25 pg/mL - 400 pg/mL
Sensitivity	3.12 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for IL-6 elisa kit	Intended Uses: For the quantitative detection of Rat Interleukin 6 (IL-6) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate IL-6 in Rat serum, plasma. An antibody specific for IL-6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-6 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126722667
NCBI GeneID	100008733
NCBI Accession #	NP_001075533.1
NCBI GenBank Nucleotide #	NM_001082064.2

UniProt Accession #	Q9MZR1 ; Q0PW36
Molecular Weight	27,021 Da
NCBI Official Full Name	interleukin-6
NCBI Official Symbol	IL6
NCBI Official Synonym Symbols	IL-6
NCBI Protein Information	interleukin-6
UniProt Protein Name	Interleukin-6
UniProt Gene Name	IL6
UniProt Synonym Gene Names	IL-6

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.

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Online datasheet: <https://www.aaabiotech.com/il-6-rat-elisa-kits/interleukin-6/55940>