

Mouse Interleukin 6 (IL6) ELISA Kit | IL6 elisa kit

Mouse Interleukin 6 (IL6) Instant ELISA Kit

CATALOG #
AAA190278

REACTIVITY
Mouse

PRODUCT SYNONYMS

Interleukin 6 (IL6); Mouse Interleukin 6 (IL6) Instant ELISA Kit; IL6 Instant ELISA kit (Mouse); Interleukin 6; MGI2-A; MGI2A; HGF; BSF2; HSF; IFNB2; B-Cell Stimulatory Factor-2; Hybridoma/Plasmacytoma Growth Factor; Hepatocyte Stimulating Factor; Cytotoxic T-Cell Differentiation Factor; IL6 elisa kit

PRODUCT SPECIFICATIONS

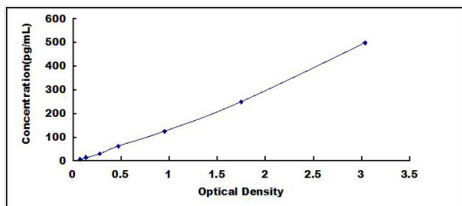
Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Instant Interleukin 6 (IL6). No significant cross-reactivity or interference between Instant Interleukin 6 (IL6) and analogues was observed. Reactive with Mouse IL6/Interleukin 6
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	3.1pg/mL
Sample Size	100uL
Detection Method	Colormetric
Featured Series	IE kit
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Instant Interleukin 6 (IL6) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Instant Interleukin 6 (IL6) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Function	Detects protein (quick procedure in 1 hrs)
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 50ul standard or sample and 50ul Detection Reagent A to each well. Incubate 1 hours at 37 degree C 3. Aspirate and wash 3 times 4. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 5. Add 50ul Stop Solution. Read at 450nm immediately.
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant Interleukin 6 (IL6). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Instant Interleukin 6 (IL6). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Instant Interleukin 6 (IL6), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Instant Interleukin 6 (IL6) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Research Area	Cytokine, Tumor immunity, Infection immunity, Cardiovascular biology

Preparation and Storage

Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life)

The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	930945756
NCBI GeneID	16193
NCBI Accession #	NP_001300983.1
NCBI GenBank Nucleotide #	NM_001314054.1
UniProt Accession #	P08505; Q3UCQ0; Q8BN26
Molecular Weight	24,384 Da
NCBI Official Full Name	interleukin-6 isoform 2
NCBI Official Synonym Full Names	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; IL-6
UniProt Entry Name	IL6_MOUSE

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/mouse-elisa-kits/interleukin-6-il6/190278>