

Mouse Interleukin 10 (IL10) ELISA Kit | IL10 elisa kit

Mouse Interleukin 10 (IL10) Instant ELISA Kit

CATALOG #
AAA161623

REACTIVITY
Mouse

PRODUCT SYNONYMS

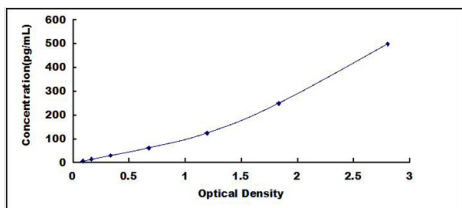
Interleukin 10 (IL10); Mouse Interleukin 10 (IL10) Instant ELISA Kit; IL10 Instant ELISA kit (Mouse); CSIF; IL10A; TGIF; Cytokine Synthesis Inhibitory Factor; IL10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Instant Interleukin 10 (IL10). No significant cross-reactivity or interference between Instant Interleukin 10 (IL10) and analogues was observed. Reactive with Mouse IL10/Interleukin 10
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Method	Colormetric
Featured Series	IE kit
Detection Range	7.8-500pg/mL
Sensitivity	3.1pg/mL
Sample Size	100uL
Assay Time	1h, 10min
Function	Detects protein (quick procedure in 1 hrs)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Instant Interleukin 10 (IL10) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Instant Interleukin 10 (IL10) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 8. Add 50ul Stop Solution. Read at 450nm immediately.
Test Principle	The test principle applied in this kit is enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Instant Interleukin 10 (IL10). Standards or samples and HRP-labeled detection antibody specific to Instant Interleukin 10 (IL10)(Detection Reagent A) are then added to the appropriate microtiter plate wells. Next, TMB substrate solution is added, only those wells that contain Instant Interleukin 10 (IL10), and HRP-labeled detection antibody 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 10 (IL10) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Research Area	Cytokine, Infection immunity
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)

Typical Standard Curve for IL10 ELISA (Sandwich)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754318
NCBI GeneID	16153
NCBI Accession #	NP_034678.1
NCBI GenBank Nucleotide #	NM_010548.2
UniProt Accession #	P18893; Q0VBJ1
Molecular Weight	20,641 Da
NCBI Official Full Name	interleukin-10
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	IL10
NCBI Official Synonym Symbols	CSIF; IL-10
NCBI Protein Information	interleukin-10; cytokine synthesis inhibitory factor
UniProt Protein Name	Interleukin-10
UniProt Gene Name	IL10
UniProt Synonym Gene Names	IL-10; IL-10; CSIF
UniProt Entry Name	IL10_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-10-il10/161623>