

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

High Sensitivity Mouse Interleukin 10 (IL10) ELISA Kit

CATALOG #
AAA20553

REACTIVITY
Mouse

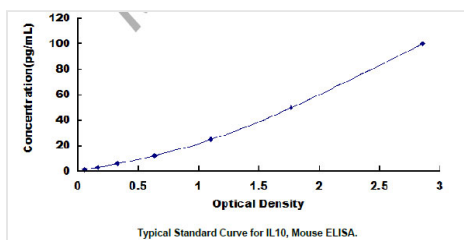
PRODUCT SYNONYMS

Interleukin 10 (IL10); High Sensitivity Mouse Interleukin 10 (IL10) ELISA Kit; 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 IL10. No significant cross-reactivity or interference between IL10 and analogues was observed.
Sequence Length	178
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.56-100pg/mL
Sensitivity	0.44pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL10 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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)

ADDITIONAL INFORMATION

Related Product Information for IL10 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL10 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL10. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL10. 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 IL10, 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 IL10 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL10 elisa kit	Cytokine; Infection immunity
References	miR-135a-5p Suppresses TBK1 and Activates NRF2/TXNIP Antioxidant Pathway in LPS-Driven ALI in Mice; Comput Math Methods Med; 2022 Jul 20;2022:9088727.; PMID: 35912153 ; Guotao Zou; Department of Pediatrics, Yongchuan Hospital of Chongqing Medical University, 439 Xuanhua Road, Yongchuan District, Chongqing, China 402160.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457009
NCBI GeneID	3586
UniProt Accession #	Q6FGS9; P22301
Molecular Weight	20,493 Da
NCBI Official Full Name	IL10, partial
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	IL10
NCBI Official Synonym Symbols	CSIF; TGIF; GVHDS; IL-10; IL10A
NCBI Protein Information	interleukin-10
UniProt Protein Name	IL10 protein
UniProt Gene Name	IL10
UniProt Entry Name	Q6FGS9_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.