

Camel IL-10 (Interleukin 10) ELISA Kit | IL-10 elisa kit

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CATALOG #
AAA248727

REACTIVITY
Camel

PRODUCT SYNONYMS

IL-10 (Interleukin 10); Camel IL-10 (Interleukin 10) ELISA Kit; Interleukin 10; IL-10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Camel
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-10. No significant cross-reactivity or interference between IL-10 and analogues was observed.
Sequence Length	178
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL-10 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL-10 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve

Results of a typical standard run of a IL-10 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.006	0.075	0.14	0.285	0.547	1.117	1.966	2.46

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-10 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-10 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-10 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL-10 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-10 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835141
NCBI GeneID	3586
NCBI Accession #	NP_000563.1
NCBI GenBank Nucleotide #	NM_000572.2
UniProt Accession #	P22301
Molecular Weight	20,517 Da
NCBI Official Full Name	interleukin-10
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	Interleukin-10
UniProt Gene Name	IL10
UniProt Synonym Gene Names	IL-10; CSIF

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://stage.aaabiotech.com/camel-elisa-kits/il-10-interleukin-10/248727>