

Human Interleukin-9 ELISA Kit | IL9 elisa kit

Human Interleukin-9 ELISA Kit

CATALOG #
AAA98879

REACTIVITY
Human

PRODUCT SYNONYMS

Interleukin-9; Human Interleukin-9 ELISA Kit; IL-9/IL9/HP40/P40/TCGFIII/TCGF3/P40 T-cell and Mast Cell Growth Factor/P40 Cytokine/T-cell Growth Factor P40; IL9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-8. No significant cross-reactivity or interference between IL-8 and analogues was observed.
Sequence Length	144
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-8 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-8 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 operation of a IL9 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A/not applicable)									
X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.101	0.212	0.325	0.683	0.856	1.139	1.611	2.171

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL9 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-8 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-8 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-8 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-8 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834980
NCBI GeneID	3578
NCBI Accession #	NP_000581.1
NCBI GenBank Nucleotide #	NM_000590.1
Molecular Weight	15,909 Da
NCBI Official Full Name	interleukin-9
NCBI Official Synonym Full Names	interleukin 9
NCBI Official Symbol	IL9
NCBI Official Synonym Symbols	P40; HP40; IL-9
NCBI Protein Information	interleukin-9
UniProt Protein Name	Interleukin-9
UniProt Gene Name	IL9
UniProt Synonym Gene Names	IL-9
UniProt Entry Name	IL9_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.

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Online datasheet: <https://www.aaabiotech.com/il9-human-elisa-kits/interleukin-9/98879>