

Human IL-9 ELISA Kit | IL9 elisa kit

Human IL-9 ELISA Kit

CATALOG # AAA261704	REACTIVITY Human	APPLICATIONS ELISA
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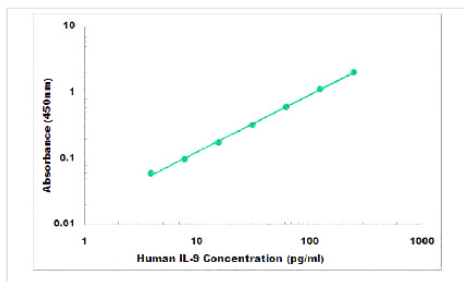
PRODUCT SYNONYMS

IL-9; Human IL-9 ELISA Kit; Interleukin-9; Cytokine P40; T-cell growth factor P40; IL9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-9 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-9 proteins within the range of 3.9 pg/ml - 250 pg/ml.
Sequence Length	144
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	2 pg/ml.
Applicable Applications for IL9 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL9 elisa kit	Principle of the Assay The Human IL-9 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-9 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IL-9 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-9 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-9 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-9 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Human IL-9 was originally identified as a cytokine found in the conditioned medium of a human T cell leukemia virus type I (HTLV-I) transformed T cell line that is mitogenic for the factor-dependent human megakaryoblastic leukemic cell line, M07e. This human cytokine and its murine homologue are now designated as human and mouse IL-9. The gene for H IL-9 has been mapped to human chromosome 5. As in the mouse system, the human IL-9 cDNA encodes a 144 amino acid residue precursor protein with an 18 amino acid signal peptide that is cleaved to form the mature cysteine-rich protein with a predicted molecular mass of 14 kDa. Human IL-9 contains four potential Nlinked glycosylation sites and the native HIL-9 is a highly glycosylated protein. Human and mouse IL-9 share 56% and 67% homology at the amino acid and nucleotide levels, respectively. Although murine IL-9 is active on human cells, human IL-9 is not active on mouse cells. Human and murine IL9 are also capable of enhancing in vitro survival of human T cell lines as well as synergizing with Epo to support erythroid colony formation in vitro.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124362
NCBI GeneID	3578
UniProt Accession #	P15248
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il9-human-elisa-kits/il-9/261704>