

Human IL-24 ELISA Kit | IL24 elisa kit

Human IL-24 ELISA Kit

CATALOG # AAA261760	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

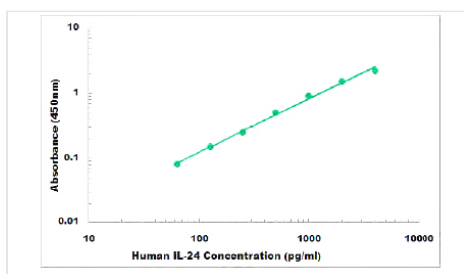
PRODUCT SYNONYMS

IL-24; Human IL-24 ELISA Kit; MDA7; ST16; Interleukin-24; Melanoma differentiation-associated gene 7 protein; MDA-7; Suppression of tumorigenicity 16 protein; IL24 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IL-24 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IL-24 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	206
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	30 pg/ml.
Applicable Applications for IL24 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 IL24 elisa kit	Principle of the Assay The Human IL-24 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IL-24 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human IL-24 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-24 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IL-24 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-24 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Interleukin 24 (IL-24) is a cytokine belonging to the IL-10 family of cytokines that signals through two heterodimeric receptors: IL-20R1/IL-20R2 and IL-22R1/IL-20R2. This interleukin is also known as Melanoma differentiation-associated 7 (mda-7) due to its discovery as a tumour suppressing protein. By radiation hybrid analysis, the MDA7 gene is mapped to 1q32.2-q41. IL-24 appears to control in cell survival and proliferation by inducing rapid activation of particular transcription factors called Stat-1 and Stat-3. Human IL24 was expressed as an approximately 35-kD protein that was converted to a 23-kD protein by deglycosylation. The IL24 protein shares 24 to 33% homology with other members of the IL10 family of cytokines, with highest homology with IL20. This cytokine is predominantly released by activated monocytes, macrophages and T helper 2 (Th2) cells and acts on non-haematopoietic tissues such as skin, lung and reproductive tissues. IL-24 performs important roles in wound healing, psoriasis and cancer.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	2497340
NCBI GeneID	11009
UniProt Accession #	Q13007; Q2YHE5; Q53XZ7; Q5YLN8; Q96DB0; Q96KG4
Molecular Weight	7,347 Da
NCBI Official Full Name	Interleukin-24
NCBI Official Synonym Full Names	interleukin 24
NCBI Official Symbol	IL24
NCBI Official Synonym Symbols	C49A; FISP; MDA7; MOB5; ST16; IL10B
NCBI Protein Information	interleukin-24
UniProt Protein Name	Interleukin-24
UniProt Gene Name	IL24
UniProt Synonym Gene Names	MDA7; ST16; IL-24; MDA-7
UniProt Entry Name	IL24_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.