

Human IL-24/MDA-7 ELISA Kit | IL-24/MDA-7 elisa kit

Human IL-24/MDA-7 ELISA KIT

CATALOG #
AAA309885

REACTIVITY
Human

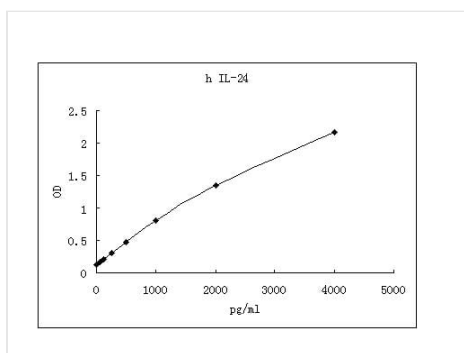
PRODUCT SYNONYMS

IL-24/MDA-7; Human IL-24/MDA-7 ELISA KIT; Human IL-24/MDA-7; IL-24/MDA-7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL-24/MDA-7 Ligand
Assay Type	Solid Phase Sandwich ELISA
Samples	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin)
Detection Range	62.5-4000pg/mL
Sensitivity	30pg/mL
Assay Time	3 hours
Sample Volume	20 uL
Detection Method	Colorimetric
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

Representative standard curve for IL-24 ELISA. IL-24 was diluted in serial two-fold steps in Sample Diluent.

ADDITIONAL INFORMATION

Related Product Information for IL-24/MDA-7 elisa kit	Interleukin 24 (IL-24), also known as mda7 (melanoma differentiation associated gene7), is a member of the IL10 family of helical cytokines. The IL-24 gene encodes a precursor protein of 207 amino acids (aa) that contains a 48 aa signal sequence and an 18 kDa, 158 aa mature segment. There are three potential Nlinked glycosylation sites, at least one of which is used. When secreted, IL-24 is a 3540 kDa phosphorylated glycoprotein that apparently can exist as either a monomer or dimer. It is suggested that glycosylation is essential for activity. Mature human IL-24 shares 69% aa sequence identity with mouse and rat IL-24. Human IL-24 is also active in rodent systems. Cells known to express IL-24 include B cells, CD4+ T cells, NK cells, lymph node dendritic cells, monocytes, melanocytes, and melanoma cells. Functionally, IL-24 has diverse activities. At low concentrations on monocytes, it induces type I proinflammatory cytokines such as IFN-g, IL-1b, IL-12, and TNF-a. At high concentrations, it is a strong inducer of apoptosis in tumor cells, but not normal cells. IL-24 also has antiangiogenic properties. It directly binds IL-24 receptors on endothelial cells, activating STAT3 and blocking their differentiation. IL-24 binds and signals through two heterodimeric receptor complexes. One complex is the combination of IL-20Ra and IL-20Rb, which is shared with IL-19 and IL-20. The second complex is a combination of IL-22R and IL-20Rb, which is shared with IL-20.
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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/human-elisa-kits/il-24-mda-7/309885>