

Datasheet for ABIN4986950

IL-24 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	IL-24 (IL24)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5-4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (citrate), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Natural and recombinant Human IL-24/MDA-7 Ligand
Sensitivity:	30 pg/mL
Material not included:	<ul style="list-style-type: none">• Microplate reader.• Pipettes and pipette tips.• EP tube Deionized or distilled water.

Target Details

Target:	IL-24 (IL24)
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Target Details

Alternative Name: IL-24/MDA-7 ([IL24 Products](#))

Background: 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- γ , IL-1 β ,IL-12, and TNF- α . 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-20R α and IL-20R β , which is shared with IL-19 and IL-20. The second complex is a combination of IL-22R and IL-20R β , which is shared with IL-20.

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Endopeptidase Activity](#), [Autophagy](#)

Application Details

Application Notes: Detection Wavelength: 450 nm

Sample Volume: 20 μ L

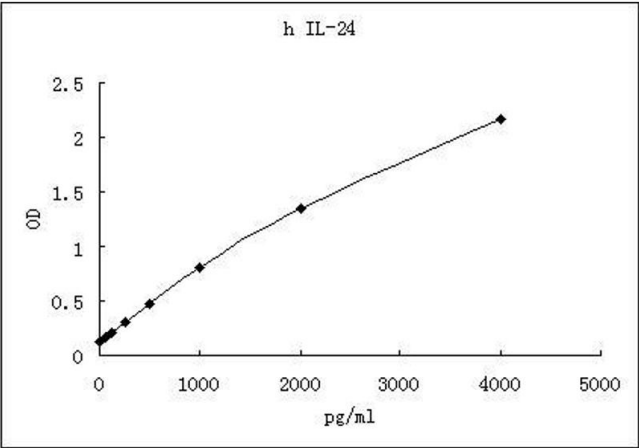
Assay Time: 3 h

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C



ELISA

Image 1.