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Datasheet for ABIN4986965

IL-9 ELISA Kit

1 Image

Overview

Quantity:	96 tests
Target:	IL-9 (IL9)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	3.9-250 pg/mL
Minimum Detection Limit:	3.9 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-9 Ligand
Sensitivity:	2 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-9 (IL9)
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Target Details

Alternative Name: IL-9 ([IL9 Products](#))

Background: 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 N-linked 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.

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Detection Wavelength: 450 nm

Sample Volume: 20 µL

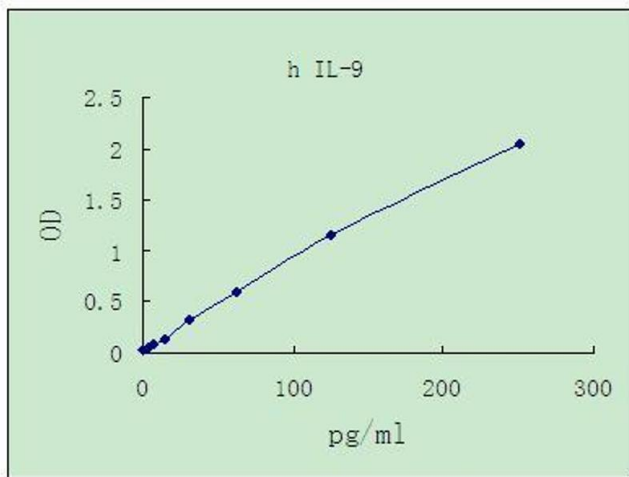
Assay Time: 3 h

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C



ELISA

Image 1.