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Datasheet for ABIN5692204

## IL-24 ELISA Kit

### 1 Image

#### Overview

Quantity:	96 tests
Target:	IL-24 (IL24)
Binding Specificity:	AA 27-181
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse IL-24. 96wells/kit, with removable strips.
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli, Immunogen sequence: Q27-L181
Sensitivity:	< 10 pg/mL
Components:	96-well plate precoated with antibody lyophilized recombinant standard

## Product Details

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biotinylated antibody (dilution 1:100)  
Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)  
Sample diluent buffer  
Antibody diluent buffer  
ABC diluent buffer  
TMB color developing agent  
TMB stop solution  
Adhesive cover

## Target Details

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Target:	IL-24 (IL24)
Alternative Name:	IL24 ( <a href="#">IL24 Products</a> )
Background:	<p>Synonyms: Interleukin-24, IL-24, Melanoma differentiation-associated gene 7 protein, MDA-7, Suppression of tumorigenicity 16 protein, IL24, MDA7, ST16</p> <p>Tissue Specificity: Up-regulated in melanoma cells induced to terminally differentiate.</p> <p>Background: 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. Mouse 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.</p> <p>Cellular Localisation: Secreted.</p>
UniProt:	<a href="#">Q13007</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Autophagy</a>

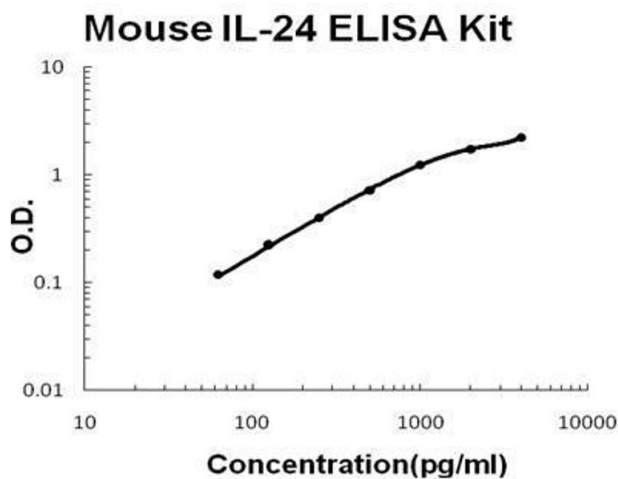
## Application Details

Assay Time:	0.5 h
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months

## Images



### ELISA

**Image 1.** Mouse IL-24 PicoKine ELISA Kit standard curve