

IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody – Purified



Catalog no. 710084

(See product label for lot information)

Clone/PAD: 11HCLC
Isotype: IgG
Gene ID: 50616
Protein Acc. no.: Q9GZX6
Qty: 100 µg
Volume: 200 µl
Concentration: 0.5 mg/mL

Formulation

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Application

For use in Western Blotting and ELISA.

Reactivity

This antibody is specific for human IL-22.

Immunogen

Recombinant Protein corresponding to amino acids 92-179 of human IL-22.

Sequence Identity

Human

Expected Reactivity

Based on sequence identity and similarity, reactivity to Human is predicted.

Storage

2-8°C for up to 1 month, -20°C for long term storage. Avoid repeated freezing and thawing.

Expiration Date

Expires one year from date of receipt when stored as instructed.

Background

IL-22 also known as Interleukin-22 belongs to the IL-10 family of regulatory cytokines that are mainly produced by terminally differentiated T helper 17 (TH17) cells (1-2). IL-22 receptor, termed as CRF29 and IL TIFR1 chain forms a complex with IL10 receptor beta chain and mediates IL22 signaling (3). It is highly expressed during chronic inflammation (1). IL-22 and its receptor are also found to activate intracellular kinases and transcription factors chiefly STAT3 (4-5). In humans, it is located on the q arm of chromosome 12 (6).

References

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3. Ming-Hong Xie, Sudeepta Aggarwal, Wei-Hsien Ho, Jessica Foster, Zemin Zhang, Jeremy Stinson, William I. Wood, Audrey D. Goddard, and Austin L. Gurney (2000). Interleukin (IL)-22, a Novel Human Cytokine That Signals through the Interferon Receptor-related Proteins CRF2-4 and IL-22R. *The Journal Of Biological Chemistry*, 10.1074.
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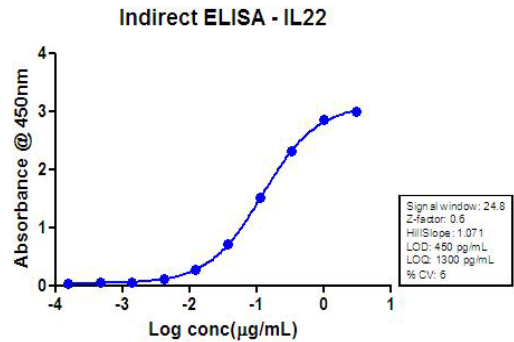
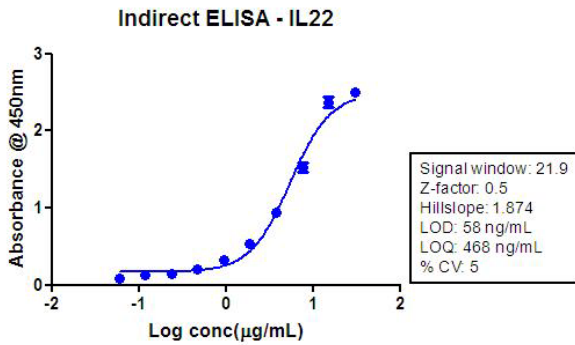
Applications:

| | Species | Test Material | Concentration |
|-------------------------|---------|---------------------|--------------------------------|
| Western Blotting | Human | Rec Hu IL-22 | 1 - 5 µg/ml |
| Indirect ELISA | Human | Recombinant Protein | 1.5x10 ⁻⁴ - 3 µg/ml |

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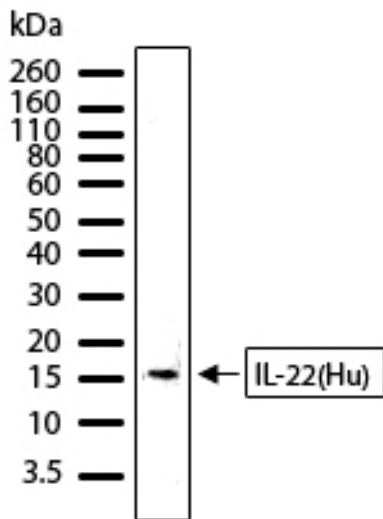


Indirect ELISA of IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody (Cat. No.710084).

Indirect ELISA was done using IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody to detect IL-22 (Hu) on LPS (10µg/mL,16 hrs)treated Human PBMC (30 ng/well), using TMB (Cat. No. SB01) as substrate.

Indirect ELISA of IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody (Cat. No.710084).

Indirect ELISA was done using IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody to detect IL-22 (Hu) the recombinant protein (100 ng/well), using TMB (Cat. No. SB01) as substrate.



Western Blot analysis of IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody (Cat. No.710084).














Recombinant Human IL-22; 100ng per lane was loaded on SDS-PAGE followed by transfer on to nitrocellulose. The blot was blocked followed by incubation with IL-22 (Hu) Rabbit Recombinant Oligoclonal Antibody at 2.5µg/mL for 2 hours. Goat Anti Rabbit - HRP conjugated, was used at 1:5000 dilution as secondary antibody and developed by chemiluminescence (ECL) method. A band of ~17kDa was detected.

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Explanation of symbols

| Symbol | Description | Symbol | Description |
|---|---|---|--|
|  | Catalogue Number |  | Batch code |
|  | Research Use Only |  | <i>In vitro</i> diagnostic medical device |
|  | Use by |  | Temperature limitation |
|  | Manufacturer |  | European Community authorised representative |
|  | Without, does not contain |  | With, contains |
|  | Protect from light |  | Consult accompanying documents |
|  | Directs the user to consult instructions for use (IFU), accompanying the product. | | |

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