

Datasheet: PHP298

Description:	RECOMBINANT HUMAN INTERLEUKIN-28A
Name:	IL-28A
Other names:	IFN lambda-2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Centrifuge vial prior to reconstitution. Reconstitute to 100 µg/ml by adding 100 µl ddH ₂ O. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. Do not vortex.
Preparation	Recombinant protein expressed in <i>E. coli</i> and purified by ion exchange chromatography
Source	E.coli
Buffer Solution	50 mM Tris-HCl, pH 8.0, 0.15 M Sodium Chloride
Preservative Stabilisers	1.0% Trehalose
Approx. Protein Concentrations	100 µg/ml after reconstitution

**External Database
Links**

UniProt:

[Q8IZJ0](#)

[Related reagents](#)

Entrez Gene:

[282616](#)

IL28A

[Related reagents](#)

Synonyms

IFNL2, ZCYTO20

Product Information

Recominant Human interleukin-28A

Interleukin-28A (IL-28A) also known as interferon lambda-2 (IFNL2) is a member of the IL-10 interferon cytokine family. Similar to interferons, IL-28a is induced by viral infection and has anti-viral activity ([Kempuraj et al. 2004](#)). IL-28A can be produced by virus infected cells in the skin, leading to upregulation of proteins that inhibit virus replication. In this way, IL-28A may be involved with clearance of viruses in the skin ([Volk et al. 2010](#)). IL-28A is able to induce the innate and adaptive immune responses to engage in anti-tumor activity ([Numasaki et al. 2007](#)).

The recominant Human interleukin-28A can be used to create a standard curve in a sandwich ELISA with purified Mouse anti Human interleukin-28A antibody, clone G04-5A2 ([MCA6210GA](#)) as a capture antibody and biotinylated Mouse anti Human interleukin-28A antibody, clone G02-3A6 ([MCA6211B](#)) as the detection antibody.

**Protein Molecular
Weight**

21 kDa

Purity

≥95 % determined by coomassie blue staining of a reducing SDS-PAGE gel

Amino Acid Sequence

MVPVARLHGA LPDARGCHIA QFKSLSPQEL QAFKRAKDAL EESLLLKDCR
CHSRLFPRTW DLRQLQVRER PMALEAELAL TLKVLEATAD TDPALVDVLD
QPLHTLHHIL SQFRACIQPQ PTAGPRTRGR LHHWLYRLQE APKKESPGCL
EASVTFNLFRL LTRDLNLCVAS GDLCV

Storage

Prior to reconstitution store at -70°C. Following reconstitution store at -80°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

**Health And Safety
Information**

Material Safety Datasheet documentation #20394 available at:
<https://www.bio-rad-antibodies.com/SDS/PHP298>
20394

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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