

Datasheet: PHP209

Description:	RECOMBINANT HUMAN INTERLEUKIN-22
Name:	IL-22
Other names:	IL-TIF
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
Functional Assays	■			

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	Reconstitute with 20ul distilled water. 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.
Preparation	Purified recombinant IL-22 expressed in <i>E.coli</i>
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 1.0 EU/ug
Approx. Protein Concentrations	0.5 mg/ml after reconstitution
External Database Links	<p>UniProt: Q9GZX6 Related reagents</p> <p>Entrez Gene: 50616 IL22 Related reagents</p>

Synonyms	ILTIF, ZCYTO18
Product Information	<p>Interleukin-22 (IL-22) is a regulatory cytokine and member of the IL-10 family, secreted by activated T cells, which signals through a class II cytokine receptor system consisting of IL-22R and IL-10R-beta/CRF2-4.</p> <p>IL-22 has been shown to act as an inhibitor of the production of IL-4 by Th2 cells, up-regulate the production of acute phase reactants in the pancreas and liver, and to be up-regulated in intestinal inflammation associated with Crohn's disease.</p>
Protein Molecular Weight	33.6 kDa (146 amino acid homodimer)
Activity	Determined by its ability to activate STAT following receptor ligand interaction
Purity	>98% by SDS PAGE and HPLC analysis
Storage	<p>Prior to reconstitution store at -20°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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 #10268 available at: 10268: https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf
Regulatory	For research purposes only

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