

Datasheet: PHP100

BATCH NUMBER 174078

Description:	RECOMBINANT HUMAN INTERLEUKIN-12
Name:	IL-12
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	▪			0.2 - 0.4 ng/well
Western Blotting	▪			1.5 - 3.0 ng/lane
Functional Assays	▪			0.1 - 10 ng/ml

Where this protein 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 positive/negative controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 50ul sterile PBS. For extended storage, the addition of 0.1% bovine serum albumin is recommended. 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	Purified recombinant Human Interleukin-12 expressed in Chinese Hamster Ovary (CHO) cells.
Source	CHO cells
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers	
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	0.2 mg/ml after reconstitution
External Database Links	UniProt: P29460 Related reagents P29459 Related reagents Entrez Gene: 3593 IL12B Related reagents 3592 IL12A Related reagents
Synonyms	NKSF1, NKSF2
Product Information	Recombinant human Interleukin-12 (IL-12) produced in CHO cells is a ~75 kDa glycoprotein comprised of disulfide-linked 35kDa (p35) and 40kDa (p40) subunits. IL-12 is produced by activated B lymphocytes and macrophages. The properties of IL-12 include the stimulation of growth of activated T lymphocytes, and actions in the development of Th1 CD4 +ve cells and CD8 +ve cytotoxic T cells. IL-12 also promotes activity and division of NK cells and promotes formation of TH1 cells producing &gamma;-interferon.
Protein Molecular Weight	75kDa (503 Amino acid sequence)
Purity	>98% by SDS PAGE and HPLC analysis
Storage	Prior to reconstitution store at -20°C. Following reconstitution store at -20°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 #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP100
Regulatory	For research purposes only

Product inquiries: www.bio-rad-antibodies.com/technical-support

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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