

Datasheet: PHP043

Description:	RECOMBINANT HUMAN INTERLEUKIN-3
Name:	IL-3
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			▪	
Functional Assays	▪			0.1ng/ml - 1.0ng/ml

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 0.1 ml 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 vortexed after reconstitution and microcentrifuged before use.
Preparation	Recombinant protein expressed in <i>E. coli</i> .
Source	E.coli
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
External Database Links	UniProt:

Entrez Gene:

[3562](#) IL3 [Related reagents](#)

Product Information **Human interleukin-3** is an *E. coli*-derived recombinant protein corresponding to full-length mature human interleukin-3. Interleukin-3 supports the formation of multilineage colonies in the early development of multipotent haematopoietic progenitor cells. It has been shown to induce colony formation of macrophages, neutrophils, mast cells and megakaryocytes from agar-suspended bone marrow cells.

Protein Molecular Weight 15kDa (133 amino acids)

Activity >1 x 10⁷ units/mg

Purity >98% by SDS PAGE analysis and N terminal sequence analysis

References 1. Matsuyama, N. *et al.* (2015) The IgE-dependent pathway in allergic transfusion reactions: involvement of donor blood allergens other than plasma proteins. [Int J Hematol. 102 \(1\): 93-100.](#)

Storage Prior to reconstitution store at +4°C. Following reconstitution store at -20°C. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 3 months from date of reconstitution

Health And Safety Information Material Safety Datasheet documentation #10268 available at: <https://www.bio-rad-antibodies.com/SDS/PHP043>
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Regulatory For research purposes only

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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](https://www.bio-rad-antibodies.com/datasheets)
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