

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 - lyophilised
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> .
Preservative Stabilisers	None present
Endotoxin Level	<0.1ng/ug
External Database Links	UniProt: P08700 Related reagents Entrez Gene: 3562 IL3 Related reagents

Product Information	Human interleukin-3 is an <i>E. coli</i> -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
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marrow cells.

Protein Molecular Weight	15kDa (133 amino acids)
Activity	>1 x 10 ⁷ units/mg
Purity	>98% by SDS PAGE analysis and N terminal sequence analysis
References	1. Matsuyama, N. <i>et al.</i> (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.
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10277 available at: 10277: https://www.bio-rad-antibodies.com/uploads/MSDS/10277.pdf
Regulatory	For research purposes only

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