

Datasheet: AHP283B

Description:	RABBIT ANTI HUMAN INTERLEUKIN-7:Biotin
Specificity:	IL-7
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.15 - 0.30ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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
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Product Form	Purified IgG conjugated to Biotin - lyophilized
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Reconstitution	Reconstitute with 0.5 ml sterile PBS containing 0.1% Bovine Serum Albumin. 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. For long term storage the addition of 0.09% sodium azide is recommended.
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Antiserum Preparation	Antisera to human IL-7 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	None present
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Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 0.1 mg/ml after reconstitution

Immunogen Recombinant human IL-7 ([PHP046](#)).

External Database Links

UniProt:
[P13232](#) [Related reagents](#)

Entrez Gene:
[3574](#) IL7 [Related reagents](#)

RRID AB_2233607

Specificity **Rabbit anti Human Interleukin-7 antibody** recognizes human interleukin-7. IL-7 is a 152 amino acid glycoprotein and pleiotropic haematopoietic growth factor, secreted by thymic, splenic and bone marrow stromal/epithelial cells, keratinocytes and follicular dendritic cells. Originally termed pre-B cell factor, due to its involvement in the development of early B cells, IL-7 has since been shown to be mitogenic for early T cells and can also co-stimulate the proliferation of mature T cells in the presence of IL-2 and Concavalin A. IL-7 signals through a transmembrane receptor consisting of the IL-7Ra chain (CD127) and common cytokine gamma chain, triggering a number of non-receptor tyrosine kinase signalling pathways.

ELISA Rabbit anti Human IL-7 (biotin conjugate) may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with [recombinant human IL-7](#) as the standard and [Rabbit anti Human IL-7 \(purified\)](#) as the capture reagent.

References

1. Lupton, S.D. *et al.* (1990) Characterization of the human and murine IL-7 genes. [J Immunol. 144 \(9\): 3592-601.](#)
2. Fry, T.J. & Mackall, C.L. (2002) Interleukin-7: from bench to clinic. [Blood. 99 \(11\): 3892-904.](#)

Storage Prior to reconstitution store at -20°C.
After 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 antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10294 available at:
10294: <https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf>

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

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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