

Datasheet: AHP283G

BATCH NUMBER 146307

Description:	RABBIT ANTI HUMAN INTERLEUKIN-7
Specificity:	IL-7
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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	▪			0.5 - 2.0 ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.05 - 0.08ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.
Antiserum Preparation	Antisera to human IL-7 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 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_323578

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 Concanavalin 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 (purified) may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with [recombinant human IL-7](#) as the standard and [Rabbit anti Human IL-7 \(biotin conjugate\)](#) as the detection 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 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 #10162 available at: <https://www.bio-rad-antibodies.com/SDS/AHP283G>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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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