

Datasheet: AHP779

**BATCH NUMBER 165585**

<b>Description:</b>	GOAT ANTI HUMAN INTERLEUKIN-12
<b>Specificity:</b>	IL-12
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.012 - 0.02ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - lyophilized
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. N.B For functional studies do not add azide.
<b>Antiserum Preparation</b>	Antisera to human IL-12 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	None present

## Stabilisers

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**Carrier Free** Yes

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**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml after reconstitution.

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**Immunogen** [Recombinant human IL-12 \(PHP100\)](#)

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## External Database Links

### UniProt:

[P29459](#) [Related reagents](#)

[P29460](#) [Related reagents](#)

### Entrez Gene:

[3592](#) IL12A [Related reagents](#)

[3593](#) IL12B [Related reagents](#)

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**Synonyms** NKSF1, NKSF2

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**RRID** AB\_2123618

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**Specificity** **Rabbit anti Human Interleukin-12 antibody**, recognizes human IL-12. IL-12 is a pleiotropic 75kDa heterodimeric glycoprotein, consisting of disulfide-linked IL-12A (p35) and IL-12B (p40) subunits, which signals through the high affinity IL-12 receptor.

IL-12 is produced primarily by antigen presenting cells and was originally called cytotoxic lymphocyte maturation factor (CLMF), identified by its ability to induce cytotoxic effector cells, in synergy with IL-2. IL-12 is an important factor in the T helper cell (Th1) immune response, promotes the development and activity of activated T cells and natural killer cells (NK), induces IFN-gamma production, and enhances resistance against invading pathogens.

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**ELISA** Anti human IL-12:purified may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with [anti human IL-12:biotin conjugate](#) (AHP779B) as the detection reagent and [recombinant human IL-12](#) (PHP100) as the standard.

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**References** 1. Munari, F. *et al.* (2014) Cytokine BAFF released by Helicobacter pylori-infected macrophages triggers the Th17 response in human chronic gastritis. [J Immunol. 193 \(11\): 5584-94.](#)

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**Further Reading** 1. Gubler, U. *et al.* (1991) Coexpression of two distinct genes is required to generate secreted bioactive cytotoxic lymphocyte maturation factor. [Proc Natl Acad Sci U S A. 88 \(10\): 4143-7.](#)

2. Rossol, S. *et al.* (1997) Interleukin-12 induction of Th1 cytokines is important for viral clearance in chronic hepatitis B. [J Clin Invest. 99 \(12\): 3025-33.](#)

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**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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP779">https://www.bio-rad-antibodies.com/SDS/AHP779</a> 10294
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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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Printed on 25 Mar 2024