

## Datasheet: AHP779

<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 Stabilisers</b>	None present

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant human IL-12 (PHP100)</a>
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P29459</a>    <a href="#">Related reagents</a></p> <p><a href="#">P29460</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">3592</a> IL12A    <a href="#">Related reagents</a></p> <p><a href="#">3593</a> IL12B    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	NKSF1, NKSF2
<b>RRID</b>	AB_2123618
<b>Specificity</b>	<p><b>Rabbit anti Human Interleukin-12 antibody</b>, 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.</p> <p>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.</p>
<b>ELISA</b>	Anti human IL-12:purified may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with <a href="#">anti human IL-12:biotin conjugate</a> (AHP779B) as the detection reagent and <a href="#">recombinant human IL-12</a> (PHP100) as the standard.
<b>References</b>	1. Munari, F. <i>et al.</i> (2014) Cytokine BAFF released by Helicobacter pylori-infected macrophages triggers the Th17 response in human chronic gastritis. <a href="#">J Immunol. 193 (11): 5584-94.</a>
<b>Further Reading</b>	<p>1. Gubler, U. <i>et al.</i> (1991) Coexpression of two distinct genes is required to generate secreted bioactive cytotoxic lymphocyte maturation factor. <a href="#">Proc Natl Acad Sci U S A. 88 (10): 4143-7.</a></p> <p>2. Rossol, S. <i>et al.</i> (1997) Interleukin-12 induction of Th1 cytokines is important for viral clearance in chronic hepatitis B. <a href="#">J Clin Invest. 99 (12): 3025-33.</a></p>
<b>Storage</b>	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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**Guarantee** 12 months from date of despatch

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

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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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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