

Datasheet: AHP779

BATCH NUMBER 166830

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| Description: | GOAT ANTI HUMAN INTERLEUKIN-12 |
| Specificity: | IL-12 |
| 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 - 2.0ug/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.

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| Target Species | Human |
| Product Form | Purified IgG - lyophilized |
| Reconstitution | 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. |
| Antiserum Preparation | Antisera to human IL-12 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG 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-12](#) (PHP100)

External Database Links

UniProt:

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

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

Entrez Gene:

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

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

Synonyms NKSF1, NKSF2

RRID AB_2123618

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.

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.

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.](#)

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.](#)

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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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP779 10294 |
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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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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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](https://www.bio-rad-antibodies.com/datasheets)
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