Datasheet: AHP779B

Description:	GOAT ANTI HUMAN INTERLEUKIN-12:Biotin
Specificity:	IL-12
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 - 0.3ug/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
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 0.5ml 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.
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 Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 0.1 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_2123617
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:biotin conjugate may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with anti human IL-12:purified (AHP779) as the capture 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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

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