

Datasheet: AHP300G

Description:	RABBIT ANTI HUMAN INTERLEUKIN-15
Specificity:	IL-15
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 (1)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation	▪			
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.15 - 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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1 ml distilled water. 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.
Antiserum Preparation	Antisera to human IL-15 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by antigen affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0mg/ml

Immunogen	Recombinant human IL-15
External Database Links	<p>UniProt: P40933 Related reagents</p> <p>Entrez Gene: 3600 IL15 Related reagents</p>
Specificity	<p>Rabbit anti Human Interleukin-15 antibody recognizes human IL-15 (Interleukin-15), a 14kDa immunomodulatory glycoprotein expressed by multiple tissues and cell types, which primarily stimulates T lymphocytes, but is also critical for the development and activation of natural killer cells (NK).</p> <p>IL-15 shares functional properties with IL-2 and binds with high affinity to the IL-15 receptor (IL-15R), consisting of the IL-15R alpha chain, and also the IL-2Rbeta and common gamma chains used by the IL-2 receptor. Affects of IL-15 have been linked with cells and tissues unrelated to the immune system, and increased expression of IL-15 has been demonstrated in Rheumatoid Arthritis (RA), ulcerative colitis (UC) Chron's disease (CD) and lymphoid malignancies, and also conditions affiliated with HIV and HTLV-1 infection.</p> <p>Rabbit anti Human Interleukin-15 antibody will neutralise IL-15 activity in bioassay systems.</p>
Instructions For Use	For functional studies do not use Azide.
References	<ol style="list-style-type: none"> 1. Kurys, G. <i>et al.</i> (2000) The long signal peptide isoform and its alternative processing direct the intracellular trafficking of interleukin-15. J. Biol. Chem. 275: 30653 - 30659. 2. Fehniger, T.A. and Caligiuri, M.A. <i>et al</i> (2001) Interleukin 15: biology and relevance to human disease. BLOOD. 97: 14-32.
Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>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. For long term storage the addition of 0.09% Sodium Azide is recommended.</p>
Shelf Life	12 months from date of reconstitution.
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

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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'M293072:160809'

Printed on 01 May 2018

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