

## Datasheet: AHP454G

<b>Description:</b>	RABBIT ANTI HUMAN INTERLEUKIN-16
<b>Specificity:</b>	IL-16
<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 ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			12 - 70ng/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. 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.
<b>Antiserum Preparation</b>	Antisera to human IL-16 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by antigen 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 1.0mg/ml

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**Immunogen** Recombinant human IL-16.

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**External Database Links****UniProt:**

[Q14005](#) [Related reagents](#)

**Entrez Gene:**

[3603](#) IL16 [Related reagents](#)

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**RRID** AB\_2124855

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**Specificity**

**Rabbit anti Human Interleukin-16 antibody** recognizes human IL-16 (Interleukin-16), originally known as leucocyte chemoattractant factor (LCF), an immunomodulatory cytokine which induces the chemotaxis of CD4 expressing T cells, eosinophils and monocytes and is produced constitutively by T cells, eosinophils, dendritic cells, fibroblasts and neuronal cells.

The biologically active form of IL-16 is generated by enzymatic cleavage of the IL-16 precursor (pro-IL16), producing a peptide corresponding to the 121 amino acid C-Terminal portion. Further properties attributed to IL-16 include the induction of MHC class II and IL-2 receptor (IL-2R) expression and a role for IL-16 in inflammatory processes.

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**Instructions For Use** For functional studies do not add Azide.

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**References**

1. Cruikshank, W.W. *et al.* (1994) Molecular and functional analysis of a lymphocyte chemoattractant factor: association of biologic function with CD4 expression. [Proc Natl Acad Sci U S A. 91 \(11\): 5109-13.](#)
  2. Cruikshank, W.W. *et al.* (2000) Interleukin-16. [J Leukoc Biol. 67 \(6\): 757-66.](#)
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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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**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/AHP454G>  
10294

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

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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://bio-rad-antibodies.com/datasheets)

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