

Datasheet: AHP454G

Description:	RABBIT ANTI HUMAN INTERLEUKIN-16
Specificity:	IL-16
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 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.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	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.
Antiserum Preparation	Antisera to human IL-16 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by antigen affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen Recombinant human IL-16.

External Database Links**UniProt:**

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

Entrez Gene:

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

RRID AB_2124855

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 several studies have indicated a role for IL-16 in inflammatory processes.

Instructions For Use For functional studies do not add Azide.

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.](#)
-

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>

Related Products

Recommended Secondary Antibodies

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

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

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

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

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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

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

'M372533:200706'

Printed on 22 Mar 2021
