

## Datasheet: AHP340B

**BATCH NUMBER 153371**

<b>Description:</b>	RABBIT ANTI HUMAN RANTES:Biotin
<b>Specificity:</b>	RANTES
<b>Other names:</b>	CCL5
<b>Format:</b>	Biotin
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			0.25 - 1.0ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - lyophilized
<b>Reconstitution</b>	<p>Reconstitute with 0.5 ml 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.</p> <p>For long term storage the addition of 0.09% sodium azide is recommended.</p>

**Antiserum Preparation** Antisera to human RANTES were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml after reconstitution.
<b>Immunogen</b>	<a href="#">Recombinant Human RANTES</a>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13501</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6352</a>    CCL5    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	D17S136E, SCYA5
<b>RRID</b>	AB_2244130
<b>Specificity</b>	<p><b>Rabbit anti Human RANTES antibody</b> recognizes human RANTES (regulated upon activation, normal T cell expressed and secreted), otherwise known as CCL5, a 68 amino acid CC- chemokine involved in T cell activation and cell recruitment, expressed by cytotoxic (CD8+) T cells (CTLs), macrophages, keratinocytes and endothelial cells.</p> <p>RANTES acts as a chemoattractant for monocytes, CD4+/CD45RO+ memory T cells, basophils and eosinophils, thorough binding to chemokine (C-C motif) receptor 1 (CCR1), CCR3 and CCR5. Both CCR3 and CCR5 are known co-receptors for the entry of HIV viruses into target cells and the binding of RANTES to CCR3 on CTLs has been shown to enhance HIV-1-specific cytotoxicity, whilst binding to CCR5 inhibits membrane fusion and hence HIV entry.</p>
<b>ELISA</b>	This biotinylated human RANTES antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our <a href="#">purified human RANTES antibody</a> (AHP340G) as the capture reagent and <a href="#">recombinant human RANTES</a> (PHP062) as the standard.
<b>Western Blotting</b>	This antibody may be used in Western Blotting under either reducing or non-reducing conditions with <a href="#">recombinant human RANTES</a> (PHP062) as the positive control.
<b>References</b>	<ol style="list-style-type: none"> <li>Appay, V. <i>et al.</i> (2000) RANTES activates antigen-specific cytotoxic T lymphocytes in a mitogen-like manner through cell surface aggregation. <a href="#">Int Immunol. 12 (8): 1173-82.</a></li> <li>Dragic, T. <i>et al.</i> (1996) HIV-1 entry into CD4+ cells is mediated by the chemokine receptor CC-CKR-5. <a href="#">Nature. 381 (6584): 667-73.</a></li> <li>Cheng, H. <i>et al.</i> (2016) TWEAK/Fn14 activation induces keratinocyte proliferation under psoriatic inflammation. <a href="#">Exp Dermatol. 25 (1): 32-7.</a></li> </ol>

---

**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** 6 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

---

**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

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto: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](mailto: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)  
'M372738:200716'

**Printed on 08 Feb 2023**

---

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)