

## Datasheet: AAM61B

**BATCH NUMBER 164846**

<b>Description:</b>	RABBIT ANTI MOUSE INTERLEUKIN-21:Biotin
<b>Specificity:</b>	IL-21
<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.

### Target Species

Mouse

### Product Form

Purified IgG conjugated to Biotin - lyophilized

### 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

Antiserum to mouse IL-21 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1mg/ml after reconstitution
<b>Immunogen</b>	Recombinant mouse IL-21.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9ES17</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">60505</a>    II21    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2125164
<b>Specificity</b>	<p><b>Rabbit anti Mouse Interleukin-21 antibody</b> recognizes mouse interleukin-21 (IL-21), a pleiotropic cytokine and member of the IL-15/IL-21 family, secreted by stimulated CD4+ T cells, which enhances stimulated B-cell proliferation/differentiation, the proliferation of bone marrow progenitor cells, and increases the activity of NK cells and disease-specific CD8+ T-cells.</p> <p>IL-21 signals through binding to the specific type I cytokine receptor IL-21R, coupled with the common cytokine receptor g chain (gc), initiating the activation of the JAK/STAT signalling pathway.</p>
<b>ELISA</b>	This antibody may be used in an indirect ELISA or as a detection reagent in a sandwich ELISA with AAM61 as the capture antibody.
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.  After reconstitution store at -20°C.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10294 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AAM61B">https://www.bio-rad-antibodies.com/SDS/AAM61B</a> 10294
<b>Regulatory</b>	For research purposes only

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