

Datasheet: AAM61B

Description:	RABBIT ANTI MOUSE INTERLEUKIN-21:Biotin
Specificity:	IL-21
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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
Preservative	None present

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 0.1mg/ml after reconstitution

Immunogen Recombinant mouse IL-21.

External Database Links

UniProt:
[Q9ES17](#) [Related reagents](#)

Entrez Gene:
[60505](#) II21 [Related reagents](#)

RRID AB_2125164

Specificity **Rabbit anti Mouse Interleukin-21 antibody** 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.

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.

ELISA This antibody may be used in an indirect ELISA or as a detection reagent in a sandwich ELISA with AAM61 as the capture antibody.

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 #10294 available at:
<https://www.bio-rad-antibodies.com/SDS/AAM61B>
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Regulatory For research purposes only

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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

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