

Datasheet: AAM61

BATCH NUMBER 030915

| | |
|----------------------|----------------------------------|
| Description: | RABBIT ANTI MOUSE INTERLEUKIN-21 |
| Specificity: | IL-21 |
| 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 - 2.0ug/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 - 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. 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 Stabilisers | None present |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml after reconstitution |
| Immunogen | Recombinant mouse IL-21. |
| External Database Links | <p>UniProt: Q9ES17 Related reagents</p> <p>Entrez Gene: 60505 II21 Related reagents</p> |
| RRID | AB_2233675 |
| Specificity | <p>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.</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> |
| ELISA | This antibody may be used in an indirect ELISA or as a capture reagent in a sandwich ELISA with AAM61B as the detection antibody. |
| Storage | <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> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/AAM6110162 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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

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

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

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

Recommended Useful Reagents

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

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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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