

Datasheet: PMP21

BATCH NUMBER 163904

| | |
|----------------------|----------------------------------|
| Description: | RECOMBINANT MOUSE INTERLEUKIN-10 |
| Name: | IL-10 |
| Format: | Rec. Protein |
| Product Type: | Recombinant Protein |
| Quantity: | 10 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 |
|-------------------|-----|----|----------------|--------------------|
| ELISA | ▪ | | | 0.2 - 0.4ng/well |
| Western Blotting | ▪ | | | 1.5 - 3.0ng/lane |
| Functional Assays | ▪ | | | 0.2 - 20ng/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 recombinant protein expressed in <i>E. coli</i> - lyophilized |
| Reconstitution | Reconstitute with 0.1 ml 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. |
| Buffer Solution | 5mM Sodium Phosphate |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Endotoxin Level | < 0.1 ng/ug |
| Approx. Protein | 0.1 mg/ml after reconstitution |

Concentrations

External Database Links

UniProt:

[P18893](#) [Related reagents](#)

Entrez Gene:

[16153](#) IL10 [Related reagents](#)

Synonyms

IL-10

Product Information

IL-10 has a range of biological properties, including inhibition of macrophage mediated cytokine synthesis, suppression of the delayed type hypersensitivity response, and stimulation of the TH2 cell response.

ED50 is <2.0ng/ml, as determined by the dose dependent co-stimulation of MC/9 cells (with murine IL-4).

Protein Molecular Weight

18.7 kDa (161 amino acid sequence)

Activity

5 x 10⁵ units/mg

Purity

>98% by SDS PAGE and HPLC analysis

ELISA

PMP21 may be used as a standard for ELISA applications with [AAM32](#)

Western Blotting

PMP21 may be used as a positive control for Western blotting applications with [AAM32](#)

References

1. Gelderblom, H. *et al.* (2007) Role of interleukin 10 during persistent infection with the relapsing fever Spirochete *Borrelia turicatae*. [Am J Pathol. 170: 251-62.](#)

Storage

Prior to reconstitution store at -20°C. Following 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 protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10527 available at:
10527: <https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf>

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

RABBIT ANTI MOUSE INTERLEUKIN-10 (AAM32)

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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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