

Datasheet: AHP2798Z

BATCH NUMBER 172695

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|----------------------|--|
| Description: | GOAT ANTI MOUSE INTERLEUKIN-18BP:Preservative Free |
| Specificity: | IL-18BP |
| Format: | Preservative Free |
| 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 |
|------------------|-----|----|----------------|-----------------------|
| ELISA | ▪ | | | 0.5 ug/ml - 2.0 ug/ml |
| Western Blotting | ▪ | | | 0.1 ug/ml - 0.2 ug/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 - lyophilized |
| Reconstitution | Reconstitute with 0.1 ml distilled water |
| Antiserum Preparation | Produced from sera of goats immunized with recombinant mouse interleukin-18BP and purified by affinity chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Endotoxin Level | < 0.1 ng/μg of protein (< 1 EU/μg) |

Approx. Protein Concentrations IgG concentration 1.0 mg/ml after reconstitution

Immunogen *E. coli* derived recombinant mouse interleukin-18BP

External Database Links

UniProt:

[O95998](#) [Related reagents](#)

Entrez Gene:

[10068](#) IL18BP [Related reagents](#)

Specificity

Goat anti Mouse interleukin-18BP antibody, recognizes interleukin-18-binding protein (IL-18BP), also known as takedin- α . IL-18BP is a secreted immunoregulatory binding protein which binds to and inhibits the cytokine activity of mature IL-18 with high affinity. IL-18 plays a role in host defense, inflammation, tissue repair, and regeneration ([Mühl & Bachmann 2019](#)).

IL-18BP is constitutively expressed in the spleen, PBMCs, monocytes and umbilical vein endothelial cells ([Mühl & Bachmann 2019](#), [Corbaz et al. 2002](#)). It is detectable in the serum of healthy humans at a 20 fold molar excess compared to IL-18, with subjects showing levels of 2,000 – 4,000 pg/ml of IL-18BP ([Kaplanski et al. 2018](#)). IL-18BP is upregulated in response to inflammation as part of the inflammation resolution process. Additionally, it can be upregulated during various cancers and IL-18BP levels are also affected by viral infections such as dengue and hepatitis C ([Mühl & Bachmann 2019](#)).

Storage

This product is shipped at ambient temperature.
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/AHP2798Z>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M439115:250523'

Printed on 29 Jan 2026

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