

Datasheet: AHP2798Z

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	IgG concentration 1.0 mg/ml after reconstitution

Concentrations

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 tadekinig-alpha. 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

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:
10294: <https://www.bio-rad-antibodies.com/uploads/MSDS/10294.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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](https://www.bio-rad-antibodies.com/datasheets)

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