

Datasheet: MCA6245B

Description:	MOUSE ANTI HUMAN INTERLEUKIN-18BP:Biotin
Specificity:	IL-18BP
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	A07-5D2
Isotype:	IgG2b
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	▪			1.0 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	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	NS0 derived recombinant human full length interleukin-18BP (Thr31-Gly194)
External Database Links	UniProt:

Entrez Gene:

Fusion Partners Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity **Mouse anti Human interleukin-18BP antibody, clone A07-5D2**, recognizes interleukin-18-binding protein (IL-18BP), also known as takedakinig-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](#)).

The biotinylated Mouse anti Human interleukin-18BP antibody, clone A07-5D2 (MCA6245B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human interleukin-18BP antibody, clone B01-3E12 ([MCA6244GA](#)) as the capture antibody.

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6245B>
10041

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-18BP \(MCA6244GA\)](#)

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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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