

## Datasheet: MCA6245B

**BATCH NUMBER 100005270**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-18BP:Biotin
<b>Specificity:</b>	IL-18BP
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	A07-5D2
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	NS0 derived recombinant human full length interleukin-18BP (Thr31-Gly194)

**External Database  
Links**

**UniProt:**

[O95998](#)   [Related reagents](#)

**Entrez Gene:**

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

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

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**Specificity**   **Mouse anti Human interleukin-18BP antibody, clone A07-5D2**, recognizes interleukin-18-binding protein (IL-18BP), also known as takedin- $\alpha$ . 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.

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**Storage**   Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**   12 months from date of despatch

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

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**Regulatory**   For research purposes only

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## Related Products

### Recommended Useful Reagents

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

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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