

Datasheet: MCA6244GA

BATCH NUMBER 64717171

Description:	MOUSE ANTI HUMAN INTERLEUKIN-18BP
Specificity:	IL-18BP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	B01-3E12
Isotype:	IgG1
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 - 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)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	NS0 derived recombinant human full length interleukin-18BP (Thr31-Gly194)

External Database Links	UniProt: O95998 Related reagents
	Entrez Gene: 10068 IL18BP Related reagents
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human interleukin-18BP antibody, clone B01-3E12, 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).</p> <p>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).</p> <p>Mouse anti Human interleukin-18BP antibody, clone B01-3E12 (MCA6244GA) can be used as a capture antibody in a sandwich ELISA with biotinylated Mouse anti Human interleukin-18BP antibody, clone A07-5D2 as the detection antibody.</p>
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6244GA
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
'M384125:210513'

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