



# Anti-Mouse IL-18 BP

20150223ML



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-P47G</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of goats pre-immunized with highly pure (>98%) recombinant mIL-18BP. Anti-Murine IL-18BP specific antibody was purified by affinity chromatography employing immobilized mIL-18BP matrix.

## Target Background

<b>Synonyms (Target):</b>	Il18bp; MC54L; Igifbp; IL-18BP
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Interleukin 18 binding proteins are secreted glycoproteins which antagonize IL-18 activity by binding IL-18 and blocking its biological activity. Alternative splicing of the IL-18 BP gene produces at least four isoforms that differ in affinity for IL-18. The IL-18 BP isoforms a and c each contain one immunoglobulin (Ig)-like C2-type domain while isoforms b and d lack a complete Ig-like domain.

### Database References Target

<b>Protein RefSeq:</b>	NP_034661.1
<b>Uniprot ID:</b>	Q9Z0M9
<b>mRNA RefSeq:</b>	NM_010531.1

## Product Specifications

<b>Species reactivity</b>	Mouse
<b>Clone/Ab feature</b>	Goat IgG
<b>Cross reactivity</b>	Mouse
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	Recombinant human IL-18 BP
<b>Formulation</b>	lyophilized from PBS
<b>Reconstitution buffer</b>	water

**Reconstitution:** Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

**Stability:** The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

### ELISA:

**Indirect:** To detect murine IL-18BP by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant murine IL-18BP.

**Sandwich:** To detect Rat murine IL-18BP by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant murine IL-18BP.

**Western Blot:** To detect murine IL-18BP by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant murine IL-18BP is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**