

Product datasheet for **PP1208P1**

IL18bp Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: To detect mIL-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 biotinylated Anti-Murine IL-18BP (PP1208B1/PP1208B2) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-18BP. Western Blot: To detect mIL-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 mIL-18BP is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant mIL-18P.
Formulation:	0.5 X PBS, pH 7.4 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of > 0.2 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 18 binding protein
Database Link:	Entrez Gene 16068 Mouse Q9Z0M9



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Background:

IL18 (IFN-gamma-inducing factor, IGIF) is a novel pro-inflammatory cytokine that augments natural killer (NK) activity in spleen cells.

This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

IL18 also has other biological properties such as stimulation of Fas ligand expression, and induction of CC and CXC chemokines. IL18 increases production of competent HIV. IL18 is related to the IL1 family. One of the IL18 receptor chains is the IL1 receptor-related protein, a member of the IL 1R family. Like IL1, IL18 is first synthesized as a leaderless precursor requiring the IL1 converting enzyme (ICE) for cleavage into an active molecule. IL18 may play a role in tissue injury in inflammatory reactions.

Synonyms:

Interleukin-18-binding protein, IL-18BP, Tadekinig-alfa