

**IL-18 BP**  
**Catalog # PVGS1319****Specification**

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**IL-18 BP - Product Information**Primary Accession [O95998](#)**Species**  
Human**Sequence**  
Thr31-Gly194**Purity**  
> 95% as analyzed by SDS-PAGE  
> 95% as analyzed by HPLC**Endotoxin Level**  
< 0.2 EU/ µg of protein by gel clotting method**Biological Activity**  
ED<sub>50</sub> < 30.0 ng /ml, measured in a bioassay using KG-1 cells in the presence of 50.0 ng/ml Human IL-18.**Expression System**  
CHOFormulation **Lyophilized after extensive dialysis against PBS.****Reconstitution**  
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH<sub>2</sub>O or PBS up to 100 µg/ml.**Storage & Stability**  
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.**IL-18 BP - Additional Information****Gene ID** 10068**Other Names**  
Interleukin-18-binding protein, IL-18BP, Tadekinig-alfa, IL18BP**Target Background**  
Interleukin-18 binding protein, also known as IL-18BP and tadekinig-alfa, is a secreted glycoprotein that contains an Ig-like C2-type domain. It is expressed in heart, lung, placenta and spleen. IL-18BP functions as an inhibitor of the proinflammatory cytokine IL-18. It binds to IL-18, prevents the binding of IL-18 to its receptor, and thus blocks IL-18-induced IFN-gamma production. The

complete Ig domain has been shown to mediate the binding and neutralizing properties. IFN-gamma is able to upregulate the expression of IL-18BP, indicating that IL-18 activity is regulated by a feedback mechanism through IL-18BP.

## **IL-18 BP - Protein Information**

**Name** IL18BP

### **Function**

Isoform A binds to IL-18 and inhibits its activity. Functions as an inhibitor of the early TH1 cytokine response.

### **Cellular Location**

Secreted.

### **Tissue Location**

Strongly expressed in heart, lung, placenta and spleen.

## **IL-18 BP - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **IL-18 BP - Images**