

IL-18 BP
Catalog # PVGS1319

Specification

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
ED₅₀ < 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
CHO

Formulation **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 ddH₂O 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