

## IL-18BP Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700742
Synonyms:	IL-18BP; Igifbp; Interleukin-18-binding protein
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5UDJ4 (T28-P207)
Gene ID:	107126419
Molecular Weight:	35-65 kDa

### PROPERTIES

Biological Activity	Immobilized Human IL-18, No Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Cynomolgus IL-18BP, His Tag with the EC <sub>50</sub> of 3.2ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Interleukin-18 is an interferon (IFN-γ) inducer and a member of the interleukin-1 (IL-1) cytokine family. IL-1 cytokines and their receptors are involved in inflammation, fever, and immune stimulation. IL-18 binding protein is an inhibitor of IL-18, which binds to IL-18 and prevents IL-18 from binding to its receptor, thereby inhibiting IL-18-induced IFN-γ production. IL-18 binding protein is constitutively expressed and secreted in monocytes. IFN-γ can enhance the expression of this protein <sup>[1][2]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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