

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

Cat. No.:	HY-P75841
Synonyms:	Interleukin-18-binding protein; IL-18BP; Tadekinig-alfa
Species:	Mouse
Source:	HEK293
Accession:	Q9Z0M9/NP_034661.1 (T29-A193)
Gene ID:	16068
Molecular Weight:	50-70 kDa

### PROPERTIES

Biological Activity	Mouse IL-18BP, His Tag captured on CM5 Chip via anti-his antibody can bind Human IL-18, No Tag with an affinity constant of $\leq 1.78$ nM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/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	The IL-18BP protein serves as a key regulator by binding to interleukin-18 (IL-18) and effectively inhibiting its activity. Through this interaction, IL-18BP functions as an inhibitor of the early TH1 cytokine response, highlighting its role in modulating immune processes and potentially contributing to the regulation of inflammatory responses.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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