

Rev02
 Update: Aug,08,2025

DATASHEET

IL-18BP hFc Chimera, Mouse

Cat. No.: Z06193

Product Introduction

Species	Mouse
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;"> IL-18BP (Thr29-Ala193)_x000D_ Accession # Q9Z0M9 </div> <div style="background-color: #76b82a; color: white; padding: 5px; margin-left: 10px;">hFc</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized IL-18BP hFc Chimera, Mouse at 1µg/ml (100µl/well) on the plate can bind Biotinylated Human IL18, No Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	44.7 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-75 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Cytokines were the first modern immunotherapies to produce durable responses in patients with advanced cancer, components of the interleukin-18 (IL-18) pathway are upregulated on tumour-infiltrating lymphocytes, suggesting that IL-18 therapy could enhance anti-tumour immunity. IL-18BP, a high-affinity IL-18 decoy receptor, is frequently upregulated in diverse human and mouse tumours and limits the anti-tumour activity of IL-18 in mice.

Synonyms : IL-18BP; Igifbp

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