Recombinant Human IL-18

Catalog Number: OM643765

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human IL-18 (Tyr37-Asp193) Accession # Q14116
Predicted molecular mass	18.2 kDa

Specification:

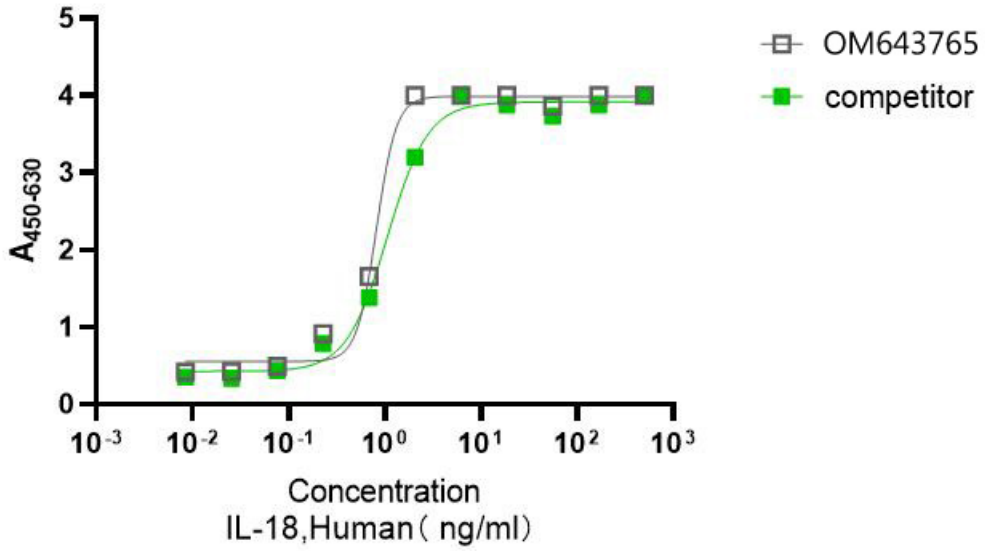
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha. The ED_{50} for this effect is ≤2.0 ng/mL.
Formulation	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 μg/vial, 1 mg/vial

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice.
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

Data:

Bioactivity



Measured by its ability to induce IFN-gamma secretion by KG-1 cells in the presence of TNF-alpha. The ED_{50} for this effect is ≤2.0 ng/mL. The activity of Recombinant Human IL-18 (Cat. No. OM643765) is equivalent to other competing products.