

Biotinylated Mouse IL-22 Protein

Cat. No. IL2-ME422B

Description	
Source	Recombinant Biotinylated Mouse IL-22 Protein is expressed from E.coli with His tag and Avi tag at the N-terminal. It contains Leu34-Val179.
Accession	Q9JJY9
Molecular Weight	The protein has a predicted MW of 19.7 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

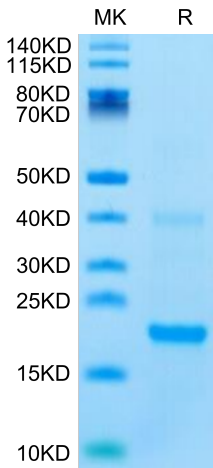
Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in 50mM Na ₂ CO ₃ /NaHCO ₃ , 500mM NaCl (pH 10.0). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

The cytokine interleukin-22 (IL-22) is a critical regulator of epithelial homeostasis. It has been implicated in multiple aspects of epithelial barrier function, including regulation of epithelial cell growth and permeability, production of mucus and antimicrobial proteins (AMPs), and complement production.

Assay Data

Tris-Bis PAGE

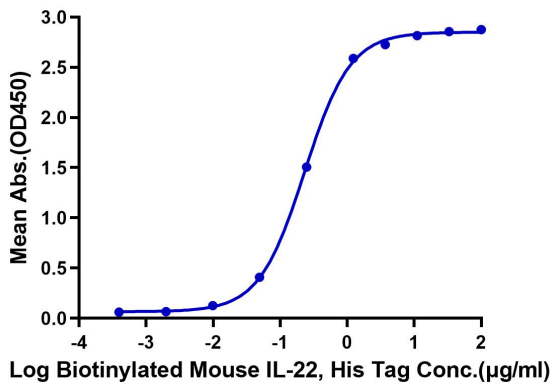


Biotinylated Mouse IL-22 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated Mouse IL-22, His Tag ELISA

0.5µg Mouse IL-22R alpha 1, hFc Tag Per Well



Immobilized Mouse IL-22R alpha 1, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse IL-22, His Tag with the EC₅₀ of 0.23µg/ml determined by ELISA.