

IL-22 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700743
Synonyms:	Interleukin-22; IL-22; Cytokine Zcyto18; IL-TIF; IL-D110; TIFa; TIFIL-23; ZCYTO18
Species:	Cynomolgus
Source:	HEK293
Accession:	G7PHZ7 (A34-I179)
Gene ID:	102129310
Molecular Weight:	32-42 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus IL-22, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human IL-22R alpha 1, hFc Tag with the EC ₅₀ of 0.14µg/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 ₂ 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	IL-22 Protein belongs to the IL-10 family and is recognized for its significant divergence from other family members. This protein functions as a vital cytokine involved in numerous immune responses and inflammatory processes. IL-22 plays a crucial role in promoting the activation and recruitment of immune cells, including T-helper 2 (Th2) cells, mast cells, and eosinophils, to sites of inflammation. It is primarily secreted by epithelial and endothelial cells and exerts its effects through the IL-22 receptor. Upon binding, IL-22 stimulates the production of various pro-inflammatory cytokines and chemokines. Notably, IL-22 has been implicated in a wide range of diseases, such as asthma, allergic diseases, and autoimmune disorders, underscoring its significance as a potential therapeutic target for modulating immune responses.
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Caution: Product has not been fully validated for medical applications. For research use only.

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