

Human IL-20 Protein, Ultra Low Endotoxin

Cat. No. IL2-HM220-UL

Description

Source	Recombinant Human IL-20 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Leu25-Leu176.
Accession	Q9NYY1-1
Molecular Weight	The protein has a predicted MW of 19.4 kDa. Due to glycosylation, the protein migrates to 20-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

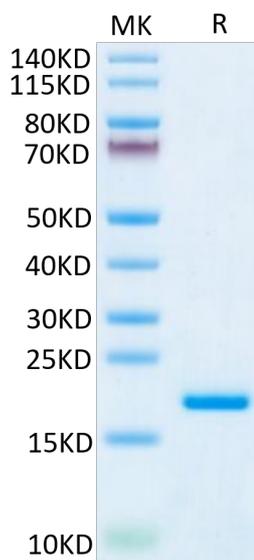
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin (IL)-20 is a member of the IL-10 family of cytokines, which has been reported to participate in autoimmune inflammatory diseases. However, the potential role of IL-20 in hepatocellular carcinoma (HCC) progression has not yet been investigated. In addition, IL-20 expression was significantly associated with tumor size, metastasis, TNM stage and poor prognosis in patients with HCC.

Assay Data

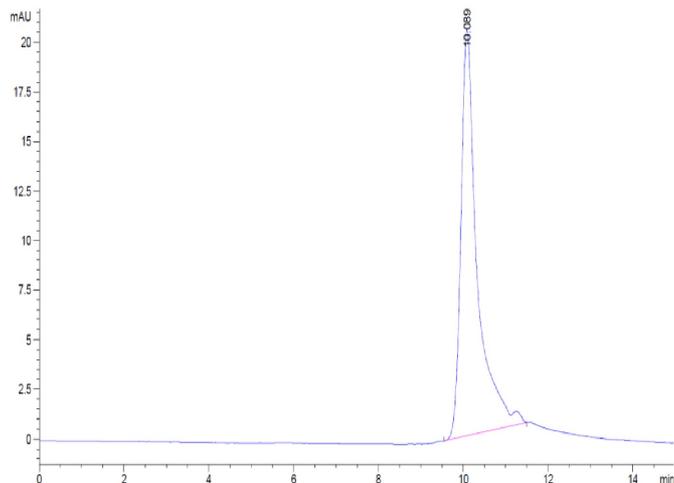
Bis-Tris PAGE



Human IL-20 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

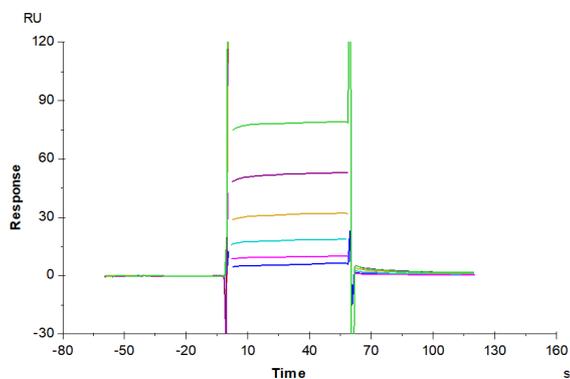
SEC-HPLC

Assay Data



The purity of Human IL-20 is greater than 95% as determined by SEC-HPLC.

SPR Data



Human IL-20RA, hFc Tag captured on CM5 Chip via Protein A can bind Human IL-20, His Tag with an affinity constant of 8.28 μ M as determined in SPR assay (Biacore T200).