

Catalog No.: RP02391B **Recombinant**

Species	Gene ID	Swiss Prot
Human	3586	P22301

N-His&Avi

CSIF;GVHDS;IL-10;IL10A;
TGIF;IL10;GVHDS;IL-10;IL10A;TGIF

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

21.3 kDa 23-25 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Interleukin 10 (IL10) is a key anti-inflammatory cytokine that can inhibit proinflammatory responses of both innate and adaptive immune cells. An association between IL10 and intestinal mucosal homeostasis became clear with the discovery that IL10 and IL10 receptor (IL10R)-deficient mice develop spontaneous intestinal inflammation. Similarly, patients with deleterious mutations in IL10, IL10RA, or IL10RB present with severe enterocolitis within the first months of life.

Biotinylated Recombinant Human IL-10 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ser19-Asn178) of Human IL-10 fused with a His tag and Avi tag at the N-terminal.

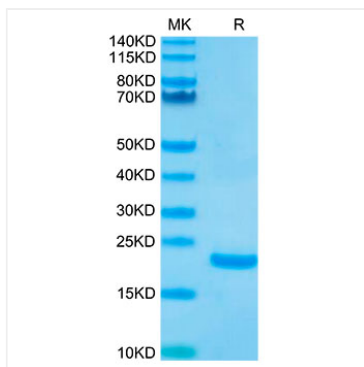
Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

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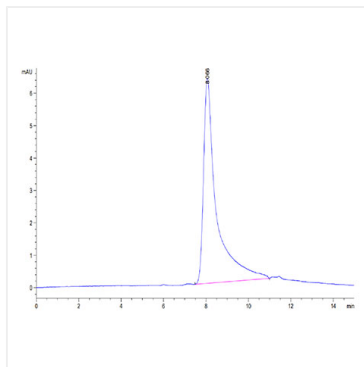
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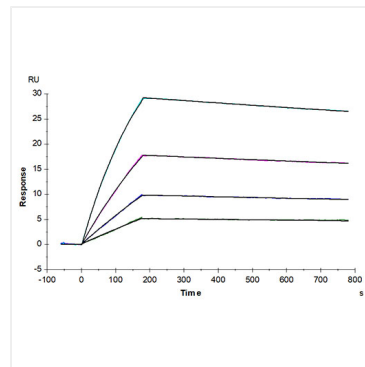
Validation Data



Biotinylated Recombinant Human IL-10 Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



The purity of Biotinylated Human IL-10 is greater than 95% as determined by SEC-HPLC.



Human IL-10 R alpha, His Tag immobilized on CM5 Chip can bind Biotinylated Human IL-10, His Tag with an affinity constant of 0.30 nM as determined in SPR assay (Biacore T200).