

## Recombinant Human IL10 protein, His-Avi-tagged

Cat. No. IL10-301H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL10 protein(P22301)(Ser19-Asn178), fused with N-terminal His and Avi tag, was expressed in HEK293.                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Ser19-Asn178                                                                                                                                                                           |
| <b>Tag</b>              | N-His-Avi                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                         |
| <b>Bio-activity</b>     | Immobilized Human IL-10, His Tag at 1ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Human IL-10R alpha, His Tag with the EC50 of 28.7ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 21.3 kDa. Due to glycosylation, the protein migrates to 23-25 kDa based on Tris-Bis PAGE result.                                                     |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                                |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                       |

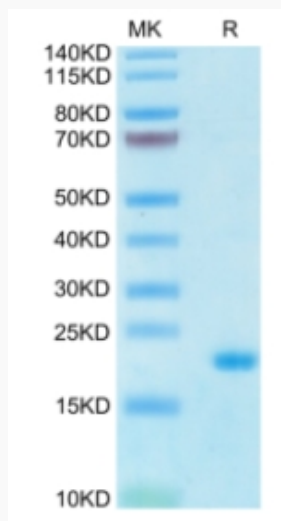
 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

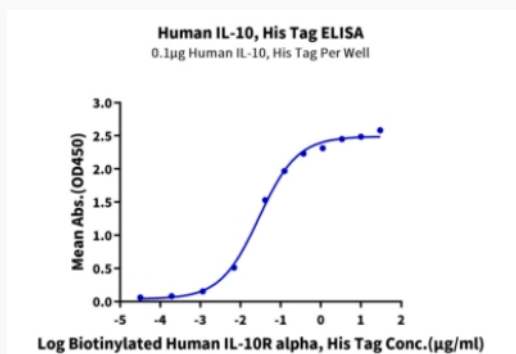
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                    |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                             |
| <b>Gene Name</b>        | IL10 interleukin 10 [ Homo sapiens ]                                                                                                                                                                        |
| <b>Official Symbol</b>  | IL10                                                                                                                                                                                                        |
| <b>Synonyms</b>         | IL10; interleukin 10; interleukin-10; CSIF; cytokine synthesis inhibitory factor; IL 10; IL10A; T cell growth inhibitory factor; TGIF; T-cell growth inhibitory factor; GVHDS; IL-10; MGC126450; MGC126451; |
| <b>Gene ID</b>          | 3586                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_000572                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_000563                                                                                                                                                                                                   |
| <b>MIM</b>              | 124092                                                                                                                                                                                                      |
| <b>UniProt ID</b>       | P22301                                                                                                                                                                                                      |

## Tris-Bis PAGE



## ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

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