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# Product Sheet

## Human IL-6 Protein; His Tag

GM-88530RP-100 / 100 μg
GM-88530RP-1000 / 1 mg

## Product Information

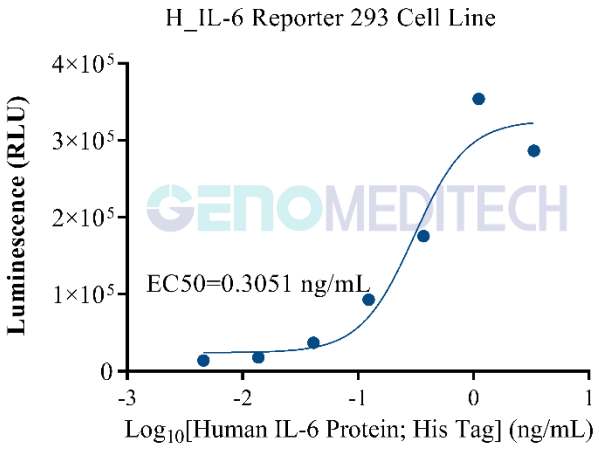
| | |
|---|---|
| **Product Name** | Human IL-6 Protein; His Tag |
| **Source** | Human IL-6 Protein; His Tag (GM-88530RP) is expressed from human 293 cells (HEK-293). It contains AA Val 30 - Met 212 (Accession # P05231). This protein carries a His tag at the N-terminus. |
| **Predicted MW** | 21.6 kDa |
| **Purity** | > 90% as determined by SDS-PAGE |
| **Endotoxin** | < 1 EU/μg, determined by LAL gel clotting assay |
| **Formulation** | Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4. |
| **Storage** | Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| **Shipping** | Shipped on dry ice. |
| **Synonyms** | IL6, Interleukin-6, BSF2, HSF, IFNB2 |
| **Background** | Interleukin 6 (IL-6) is also known as HGF, BSF2, HSF, IFNB2 and IL-6, originally identified as a B cell differentiation factor, is a multifunctional cytokine that regulates immune responses, hematopoiesis, acute phase responses, and inflammatory reactions. It is secreted by T cells, macrophages, monocytes, fibroblasts,endothelial cells, et.al. to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. Interleukin 6 has been shown to interact with interleukin-6 receptor and glycoprotein. IL-6 is relevant to many disease processes such as diabetes,atherosclerosis, depression,Alzheimer's Disease,systemic, lupus erythematosus, prostate cancer and rheumatoid arthritis. Advanced/metastatic cancer patients have higher levels of IL-6 in their blood. Hence there is an interest in developing anti-IL-6 agents as therapy against many of these diseases. |

Version 4.0.26.1015

For research use only!

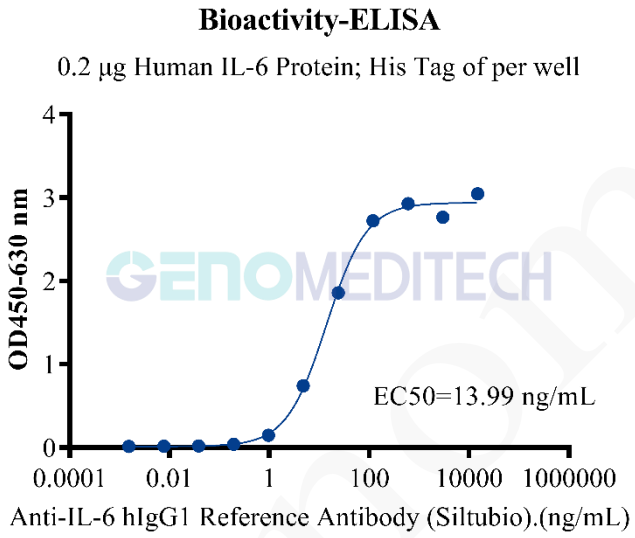
# Data

## Biological Activity

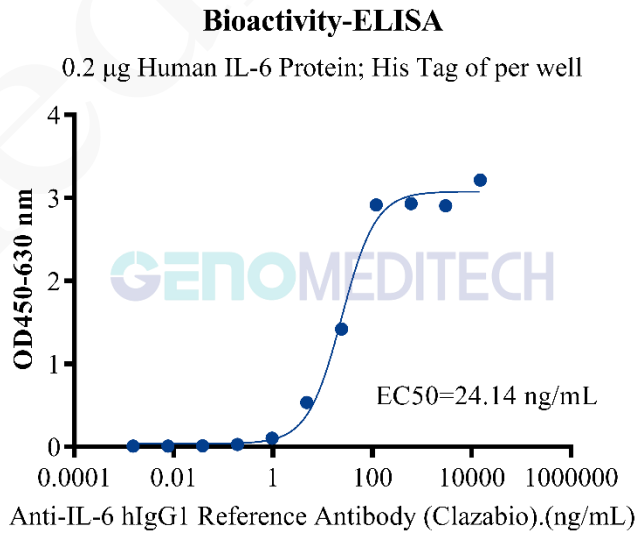



Human IL-6 Protein; His Tag(Catalog # GM-88530RP) was added into H_IL-6 Reporter 293 Cell Line(Catalog # GM-C0195) and stimulates related signals.

## Affinity

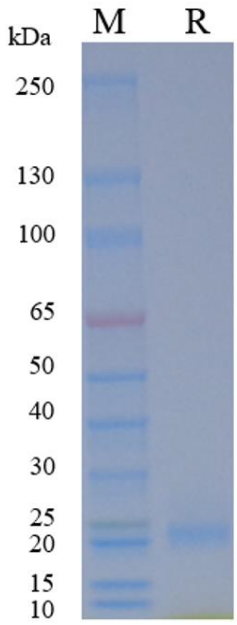



Hhuman IL-6 Protein; His Tag (Catalog # GM-88530RP) was immobilized at 2 μg/mL (100 μL/well). Increasing concentrations of Anti-IL-6 hIgG1 Reference Antibody (Siltubio)(Catalog # GM-88118MAB) were added.




Hhuman IL-6 Protein; His Tag (Catalog # GM-88530RP) was immobilized at 2 μg/mL (100 μL/well). Increasing concentrations of Anti-IL-6 hIgG1 Reference Antibody (Clazabio)(Catalog # GM-88119MAB) were added.

## Purity




On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%

## Related Products

| IL-6 | |
|---|---|
| GP130 Reporter 293 Cell Line | H_IL-6 Reporter 293 Cell Line |
| Anti-IL-6 hIgG1 Reference Antibody (Clazabio) | Anti-IL-6 hIgG1 Reference Antibody (Siltubio) |
| Anti-IL6R hIgG1 Antibody(tocilizumab) | |
| Cynomolgus IL-6 Protein; His Tag | Human IL-6 Protein; hFc Tag |
| Human IL-6RA Protein; hFc Tag | Human IL-6RA Protein; His Tag |
| OSM | |
| H_OSMR Reporter 293 Cell Line | |
| Cynomolgus OSMR Protein; His Tag | Human OSMR beta Protein; His Tag |

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