

# Human IL-6 Recombinant Protein, PeproTech®

## Product Details

Size	5 µg
Species	Human
Published Species	Dog, Rat, Non-human primate, Virus, Bacteria, Bovine, Hamster, Human, Mouse, Chicken
Expression system	E. coli
Amino acid sequence	PVPPGEDSKD VAAPHRQPLT SSERIDKQIR YILDGISALR KETCNKSNMC ESSKEALAEN NLNLPKMAEK DGCFSQSGFNE ETCLVKITG LLEFEVYLEY LQNRFSSEE QARAVQMSTK VLIQFLQKKA KNLDAITTPD PTTNASLLTK LQAQNQWLQD MTTHILRSF KEFLQSSLRA LRQM
Molecular weight	20.9 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Determined by its ability to stimulate the proliferation of mouse B9 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

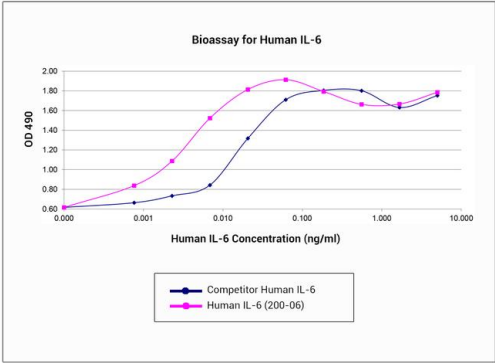
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	1 Publication
ELISA (ELISA)	Assay-dependent	5 Publications
Functional Assay (Functional)	Assay-dependent	1 Publication
T-Cell Activation (TCA)	-	1 Publication
In vitro Assay (IV)	-	631 Publications
Competition Assay (CA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	65 Publications

## Product Specific Information

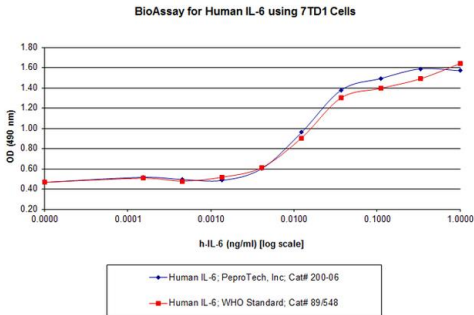
Recombinant Human IL-6 is a 20.9 kDa protein containing 184 amino acid residues.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Human IL-6 Recombinant Protein, PeproTech®



**Human IL-6 Protein (200-06-5UG) in Functional**  
Bioassay analysis of Human IL-6 Recombinant Protein, PeproTech® (Product # 200-06-1MG).



**Human IL-6 Protein (200-06-5UG) in Functional**  
WHO Comparison of Human IL-6 Recombinant Protein, PeproTech® (Product # 200-06-1MG).

## Western Blot (1)

<p><b>PloS one</b></p> <p><b>TL1A induces TCR independent IL-6 and TNF- production and growth of PLZF leukocytes.</b></p> <p>"200-06 was used in Western Blotting to investigate the role of the cytokine TL1A in autoimmune disease, showing that it induces the production of IL-6 and TNF-alpha, suggesting that it could be a possible target for the treatment of autoimmune disease"</p> <p>Authors: Reichwald K,Jørgensen TZ,Tougaard P,Skov S</p>	<p><b>Year</b> 2014</p> <p><b>Species</b> Human</p>
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## ELISA (5)

<p><b>Scientific reports</b></p> <p><b>Phagocytosis of microparticles increases responsiveness of macrophage-like cell lines U937 and THP-1 to bacterial lipopolysaccharide and lipopeptide.</b></p> <p>Authors: Ueno T,Yamamoto Y,Kawasaki K</p>	<p><b>Year</b> 2021</p> <p><b>Species</b> Human</p>
<p><b>Cell</b></p> <p><b>Imbalanced Host Response to SARS-CoV-2 Drives Development of COVID-19.</b></p> <p>Authors: Blanco-Melo D,Nilsson-Payant BE,Liu WC,Uhl S,Hoagland D,Møller R,Jordan TX,Oishi K,Panis M,Sachs D,Wang TT,Schwartz RE,Lim JK,Albrecht RA,tenOever BR</p>	<p><b>Year</b> 2020</p>

[View more ELISA references on thermofisher.cn](#)

## Functional Assay (1)

<p><b>Frontiers in medicine</b></p> <p><b>Peripheral interleukin-6-associated microglial QUIN elevation in basolateral amygdala contributed to cognitive dysfunction in a mouse model of postoperative delirium.</b></p> <p>"200-06 was used in In vivo experiments to develop a delirium-like mouse model and explore the underlying mechanism for postoperative delirium."</p> <p>Authors: Mu JL,Liu XD,Dong YH,Fang YY,Qiu SD,Zhang F,Liu KX</p>	<p><b>Year</b> 2022</p> <p><b>Species</b> Mouse</p>
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## More applications with references on thermofisher.cn

- TCA (1)
- IV (631)
- CA (1)
- Misc (65)

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