

# Human IL-4 Recombinant Protein, PeproTech®

## Product Details

Size	100 µg
Species	Human
Published Species	Dog, Rabbit, Rat, Pig, Human, Mouse, Chicken
Expression system	E. coli
Amino acid sequence	MHKCDITLQE IIKTLNSLTE QKTLCTELTV TDIFAASKNT TEKETFCRAA TVLRQFYSHH EKDTRCLGAT AQQFHRHKQL IRFLKRLDRN LWGLAGLNSC PVKEANQSTL ENFLERLKTI MREKYSKCSS
Molecular weight	15.1 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	The ED50 as determined by the dose-dependent stimulation of human TF-1 cells is 0.2 ng/ml, corresponding to a specific activity of 5 x 10 <sup>6</sup> units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

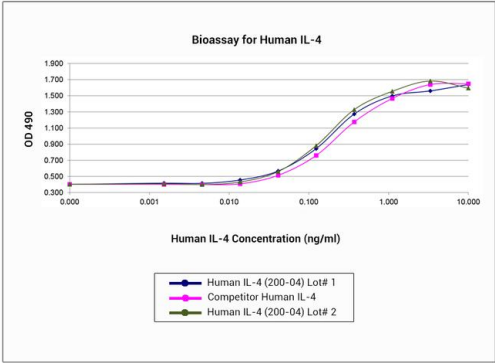
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	Assay-dependent	7 Publications
Neutralization (Neu)	-	3 Publications
Functional Assay (Functional)	Assay-dependent	1 Publication
T-Cell Activation (TCA)	-	1 Publication
In vitro Assay (IV)	-	660 Publications
Miscellaneous PubMed (Misc)	-	54 Publications

## Product Specific Information

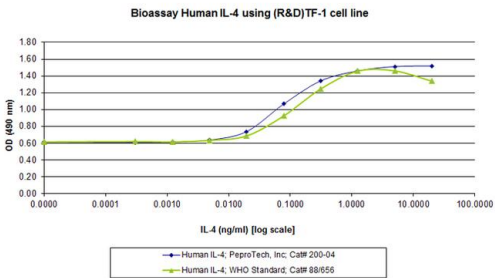
Recombinant Human IL-4 is a 15.1 kDa globular protein containing 130 amino acid residues.

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-4 Recombinant Protein, PeproTech®



**Human IL-4 Protein (200-04-100UG) in Functional**  
Bioassay analysis of Human IL-4 Recombinant Protein, PeproTech® (Product # 200-04-1MG).



**Human IL-4 Protein (200-04-100UG) in Functional**  
WHO Comparison of Human IL-4 Recombinant Protein, PeproTech® (Product # 200-04-1MG).

## Flow Cytometry (1)

<p><b>Immunity</b></p> <p><b>Nanoparticle Vaccines Based on the Receptor Binding Domain (RBD) and Heptad Repeat (HR) of SARS-CoV-2 Elicit Robust Protective Immune Responses.</b></p> <p>"200-04 was used in Flow cytometry/Cell sorting to develop nanoparticle vaccines by covalently conjugating the self-assembled 24-mer ferritin to the receptor binding domain (RBD) and/or heptad repeat (HR) subunits of the Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) spike (S) protein."</p> <p>Authors: Ma X,Zou F,Yu F,Li R,Yuan Y,Zhang Y,Zhang X,Deng J,Chen T,Song Z,Qiao Y,Zhan Y,Liu J,Zhang J,Zhang X,Peng Z,Li Y,Lin Y,Liang L,Wang G,Chen Y,Chen Q,Pan T,He X,Zhang H</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Mouse</p>
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## ELISA (7)

<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>
<p><b>Journal of immunology (Baltimore, Md. : 1950)</b></p> <p><b>Regulation of the actin cytoskeleton by Rho kinase controls antigen presentation by CD1d.</b></p> <p>Authors: Gallo RM,Khan MA,Shi J,Kapur R,Wei L,Bailey JC,Liu J,Brutkiewicz RR</p>	<p><b>Year</b> 2012</p> <p><b>Species</b> Human</p>

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

## Neutralization (3)

<p><b>Blood</b></p> <p><b>Multidirectional interactions are bridging human NK cells with plasmacytoid and monocyte-derived dendritic cells during innate immune responses.</b></p> <p>Authors: Della Chiesa M,Romagnani C,Thiel A,Moretta L,Moretta A</p>	<p><b>Year</b> 2006</p> <p><b>Species</b> Human</p>
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[View more Neu references on thermofisher.cn](#)

## More applications with references on thermofisher.cn

- Functional (1)
- TCA (1)
- IV (660)
- Misc (54)

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