

Human IL-2 Recombinant Protein, PeproTech®

Product Details

Size	100 µg
Species	Human
Published Species	Dog, Rat, Non-human primate, Virus, Bovine, Hamster, Fish, Mouse, Human, Chicken
Expression system	E. coli
Amino acid sequence	MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD ETATIVEFLN RWITFAQSII STLT
Molecular weight	15.5 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 murine CTLL-2 cells is 0.1 ng/ml, corresponding to a specific activity of 1×10^7 units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

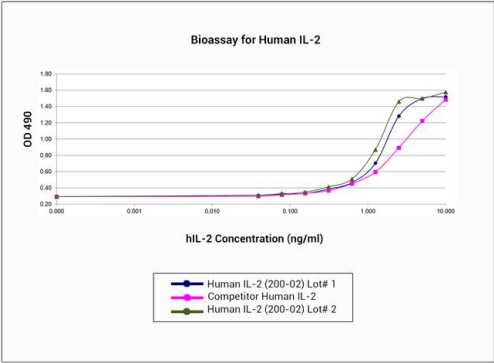
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Flow Cytometry (Flow)	-	5 Publications
ELISA (ELISA)	Assay-dependent	4 Publications
Functional Assay (Functional)	Assay-dependent	-
T-Cell Activation (TCA)	-	3 Publications
In vitro Assay (IV)	-	897 Publications
Miscellaneous PubMed (Misc)	-	108 Publications

Product Specific Information

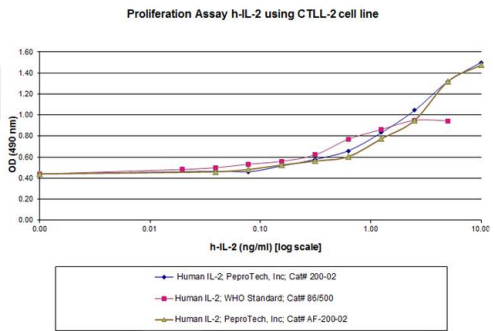
Recombinant Human IL-2 is a 15.5 kDa protein, containing 134 amino acid residues including one intrachain disulfide bond.

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-2 Recombinant Protein, PeproTech®



Human IL-2 Protein (200-02-100UG) in Functional
Bioassay analysis of Human IL-2 Recombinant Protein, PeproTech® (Product # 200-02-1MG).



Human IL-2 Protein (200-02-100UG) in Functional
WHO Comparison of Human IL-2 Recombinant Protein, PeproTech® (Product # 200-02-1MG).

Flow Cytometry (5)

Translational oncology	Year 2022
Chimeric antigen receptor T cells targeting CD147 for non-small cell lung cancer therapy.	Species Human
"200-02 was used in Flow cytometry/Cell sorting to show that CD147-CART immunotherapy for NSCLC is safe and effective, which is an ideal and promising medical patch for treating NSCLC."	
Authors: Chen XH,Chen R,Shi MY,Tian RF,Zhang H,Xin ZQ,Chen ZN,Wang K	
Nature communications	Year 2021
LSD1 inhibition sustains T cell invigoration with a durable response to PD-1 blockade.	Species Mouse
Authors: Liu Y,Debo B,Li M,Shi Z,Sheng W,Shi Y	

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

ELISA (4)

Scientific reports	Year 2021
Life-extended glycosylated IL-2 promotes Treg induction and suppression of autoimmunity.	
Authors: Ottolenghi A,Bolel P,Sarkar R,Greenshpan Y,Iraqi M,Ghosh S,Bhattacharya B,Taylor ZV,Kundu K,Radinsky O,Gazit R,Stepensky D,Apte RN,Voronov E,Porgador A	
Signal transduction and targeted therapy	Year 2020
Breast cancer-derived exosomes transmit lncRNA SNHG16 to induce CD73+1 Treg cells.	Species Human
Authors: Ni C,Fang QQ,Chen WZ,Jiang JX,Jiang Z,Ye J,Zhang T,Yang L,Meng FB,Xia WJ,Zhong M,Huang J	

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

More applications with references on thermofisher.cn

- TCA (3)
- IV (897)
- Misc (108)

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