

Mouse IL-2 Recombinant Protein, PeproTech®

Product Details

Size	1 mg
Species	Mouse
Published Species	Rat, Mouse, Human
Expression system	E. coli
Amino acid sequence	PTSSSTSSST AEAQQQQQQQ QQQQQHLEQL LMDLQELLSR MENYRNLKLP RMLTFKFYLP KQATELKDLQ CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVVKL KGSDNTFECQ FDDESATVVD FLRRWIAFCQ SIISTSPQ
Molecular weight	17.2 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 0.2 ng/ml, corresponding to a specific activity of 5 x 10 ⁶ units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

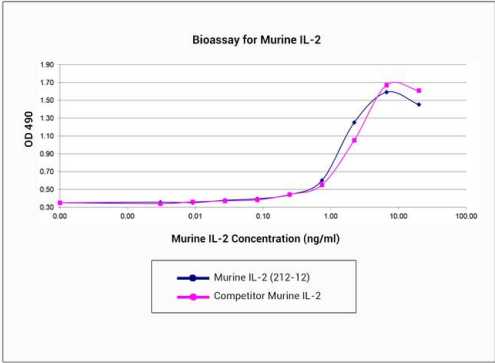
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Flow Cytometry (Flow)	-	1 Publication
ELISA (ELISA)	Assay-dependent	13 Publications
Functional Assay (FN)	Assay-dependent	2 Publications
In vitro Assay (IV)	-	463 Publications
Miscellaneous PubMed (Misc)	-	80 Publications

Product Specific Information

Recombinant Murine IL-2 is a 17.2 kDa protein containing 148 amino acid residues.

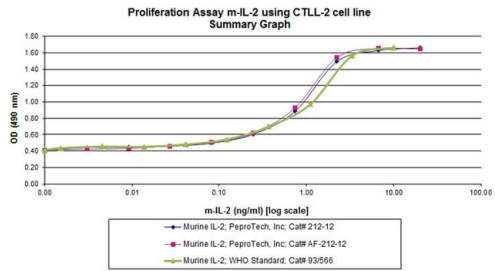
This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Mouse IL-2 Recombinant Protein, PeproTech®



Mouse IL-2 Protein (212-12-1MG) in FN

Bioassay analysis of Mouse IL-2 Recombinant Protein, PeproTech® (Product # 212-12-1MG).



Mouse IL-2 Protein (212-12-1MG) in FN

WHO Comparison of Mouse IL-2 Recombinant Protein, PeproTech® (Product # 212-12-1MG).

Flow Cytometry (1)

JCI insight	Year 2022
A human STAT3 gain-of-function variant confers T cell dysregulation without predominant Treg dysfunction in mice.	Species Mouse
"212-12 was used in Sample Preparation (FC/FACS) to suggest that Tregs are not the primary driver of disease and highlight the importance of preclinical models in the study of disease mechanisms in rare PIRD."	
Authors: Schmitt EG,Toth KA,Risma SI,Kolicheski A,Saucier N,Berrios RJF,Greenberg ZJ,Leiding JW,Bleesing JJ, Thatayatikom A,Schuettelz LG,Edwards JR,Vogel TP,Cooper MA	

ELISA (13)

Cell	Year 2021
Pharmacologic modulation of RNA splicing enhances anti-tumor immunity.	Species Human
"212-12 was used in Enzyme-linked immunosorbent spot to investigate RNA splicing effects in antigen production in cancer."	
Authors: Lu SX,De Neef E,Thomas JD,Sabio E,Rousseau B,Gigoux M,Knorr DA,Greenbaum B,Elhanati Y,Hogg SJ, Chow A,Ghosh A,Xie A,Zamarin D,Cui D,Erickson C,Singer M,Cho H,Wang E,Lu B,Durham BH,Shah H,Chowell D, Gabel AM,Shen Y,Liu J,Jin J,Rhodes MC,Taylor RE,Molina H,Wolchok JD,Merghoub T,Diaz LA,Abdel-Wahab O, Bradley RK	

Cell	Year 2021
Synergism of TNF- and IFN- Triggers Inflammatory Cell Death, Tissue Damage, and Mortality in SARS-CoV-2 Infection and Cytokine Shock Syndromes.	Species Mouse
"212-12 was used in Enzyme-linked immunosorbent assay to show that only the combination of TNF- and IFN- induced inflammatory cell death characterized by inflammatory cell death, PANoptosis while multiple inflammatory cytokines are produced by innate immune cells during SARS-CoV-2 infection."	
Authors: Karki R,Sharma BR,Tuladhar S,Williams EP,Zalduondo L,Samir P,Zheng M,Sundaram B,Banoth B,Malireddi RKS,Schreiner P,Neale G,Vogel P,Webby R,Jonsson CB,Kanneganti TD	

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

Functional Assay (2)

Nature biotechnology	Year 2023
A split, conditionally active mimetic of IL-2 reduces the toxicity of systemic cytokine therapy.	Species Mouse
"212-12 was used in In vivo experiments to demonstrate the approach with a previously designed mimetic of cytokines interleukin-2 and interleukin-15-Neoleukin-2/15 (Neo-2/15)-both for trans-activating immune cells surrounding targeted tumor cells and for cis-activating directly targeted immune cells."	
Authors: Quijano-Rubio A,Bhuiyan AM,Yang H,Leung I,Bello E,Ali LR,Zhangxu K,Perkins J,Chun JH,Wang W,Lajoie MJ, Ravichandran R,Kuo YH,Dougan SK,Riddell SR,Spangler JB,Dougan M,Silva DA,Baker D	

More applications with references on thermofisher.com

- IV (463)
- Misc (80)

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