

Human IL-15 Recombinant Protein, PeproTech®

Product Details

Size	50 µg
Species	Human
Published Species	Dog, Non-human primate, Virus, Hamster, Human, Mouse
Expression system	E. coli
Amino acid sequence	MNWNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLLELQV ISLESGDASI HDTVENLIL ANNSLSSNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS
Molecular weight	12.9 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 the proliferation of CTLL-2 cells was found to be 0.5 ng/ml, corresponding to a specific activity of 2×10^6 units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

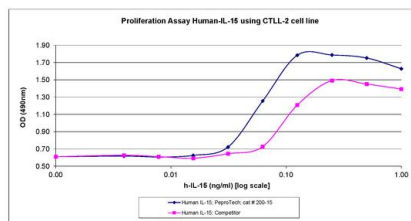
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	2 Publications
Neutralization (Neu)	-	1 Publication
Functional Assay (Functional)	Assay-dependent	1 Publication
In vitro Assay (IV)	-	338 Publications
Miscellaneous PubMed (Misc)	-	22 Publications
Immunostaining (IS)	-	1 Publication

Product Specific Information

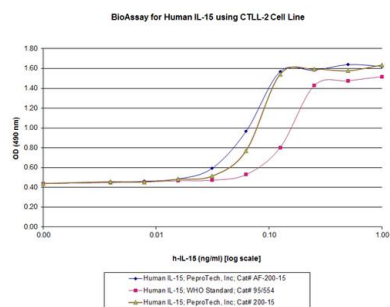
Recombinant Human IL-15 is a 12.9 kDa protein consisting of 115 amino acid residues.

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-15 Recombinant Protein, PeptoTech®



Human IL-15 Protein (200-15-50UG) in Functional
Bioassay analysis of Human IL-15 Recombinant Protein, PeptoTech® (Product # 200-15-1MG).



Human IL-15 Protein (200-15-50UG) in Functional
WHO Comparison of Human IL-15 Recombinant Protein, PeptoTech® (Product # 200-15-1MG).

ELISA (2)

The Journal of experimental medicine

A novel human *IL2RB* mutation results in T and NK cell-driven immune dysregulation.

"200-15 was used in Enzyme-linked immunosorbent assay to investigate the clinical and immunological phenotypes of two siblings with the first described human IL-2R defect."

Authors: Fernandez IZ, Baxter RM, Garcia-Perez JE, Vendrame E, Ranganath T, Kong DS, Lundquist K, Nguyen T, Ogolla S, Black J, Galambos C, Gumbart JC, Dawany N, Kelsen JR, de Zoeten EF, Quinones R, Eissa H, Vermeris MR, Sullivan KE, Rochford R, Blish CA, Kedl RM, Dutmer CM, Hsieh EWY

Year
2019

Species
Human

Proceedings of the National Academy of Sciences of the United States of America

IL-15/IL-15R complex shedding following trans-presentation is essential for the survival of IL-15 responding NK and T cells.

Authors: Tamzalit F, Barbieux I, Plet A, Heim J, Nedellec S, Morisseau S, Jacques Y, Mortier E

Year
2014

Neutralization (1)

Journal of immunology (Baltimore, Md. : 1950)

Generation and growth of CD28nullCD8+ memory T cells mediated by IL-15 and its induced cytokines.

Authors: Chiu WK, Fann M, Weng NP

Year
2006

Species
Human

Functional Assay (1)

Microbial cell factories

Development of IL-15/IL-15R sushi domain-IgG4 Fc complexes in *Pichia pastoris* with potent activities and prolonged half-lives.

"200-15 was used in In vivo experiments to indicate that the IL-15/SuIL-15R-dFc and IL-15/SuIL-15R-mFc produced in *P. pastoris* exhibit potent activities and prolonged half-lives and may serve as superagonists for immunotherapy in further research and applications."

Authors: Xu H, Shi M, Shao C, Li H, Wu J, Yu Y, Fang F, Guo Y, Xiao W

Year
2021

Species
Mouse

More applications with references on thermofisher.cn

IV (338)

Misc (22)

IS (1)

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