Human IL-7 Recombinant Protein

Product Details	
Size	100 µg
Species	Human
Published Species	Human
Expression system	E. coli
Amino acid sequence	DCDIEGKDGK QYESVLMVSI DQLLDSMKEI GSNCLNNEFN FFKRHICDAN KEGMFLFRAA RKLRQFLKMN STGDFDLHLL KVSEGTTILL NCTGQVKGRK PAALGEAQPT KSLEENKSLK EQKKLNDLCF LKRLLQEIKT CWNKILMGTK EH
Molecular weight	17.5 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 = 0.2 - 1 ng/mL; determined by the dose-dependent proliferation of human PBMCs.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	3 Publications
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Reconstitution: Centrifuge the vial briefly, before opening to bring the contents to the bottom. Reconstitute the lyophilized protein in sterile, distilled water to 0.1-1.0 mg/mL to regain full activity. Apportion the reconstituted protein into working aliquots and store at -20°C. Make any further dilutions of the reconstituted protein in low endotoxin medium or buffered solution with FBS or tissue culture grade BSA.

Storage: Store the lyophilized protein at 2-8°C, preferably desiccated. Upon reconstitution, apportion into working aliquots and store at -20°C (not in a frost-free freezer). Avoid repeated freeze-thaw cycles.

3 References

Functional Assay (3)

Cancer research

Epstein-Barr Virus-Encoded Circular RNA CircBART2.2 Promotes Immune Escape of Nasopharyngeal Carcinoma by Regulating PD-L1.

Authors: Ge J,Wang J,Xiong F,Jiang X,Zhu K,Wang Y,Mo Y,Gong Z,Zhang S,He Y,Li X,Shi L,Guo C,Wang F,Zhou M, Xiang B,Li Y,Li G,Xiong W,Zeng Z

Year
2021

Species
Human

Dilution
5 ng/mL

Frontiers in immunology

A Small Molecule Antagonist of PD-1/PD-L1 Interactions Acts as an Immune Checkpoint Inhibitor for NSCLC and Melanoma Immunotherapy.

Authors: Wang Y,Gu T,Tian X,Li W,Zhao R,Yang W,Gao Q,Li T,Shim JH,Zhang C,Liu K,Lee MH

Year
2021

Species
Human

Dilution
50 ng/mL

View more FN references on thermofisher.cn

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