

Human IL-4 Recombinant Protein

Product Details

Size	100 µg
Species	Human
Published Species	Human
Expression system	E. coli
Amino acid sequence	HKCDITLQEI IKTLNSLTEQ KTLCTELTVT DIFAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE NFLERLKTIM REKYSKCSS
Molecular weight	14.9 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 = 0.05 - 0.4 ng/mL; determined by the dose-dependent proliferation of human TF-1 cells.
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	5 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, deionized 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 FCS 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.

5 References

Functional Assay (5)

Frontiers in immunology

Nivolumab Enhances *In Vitro* Effector Functions of PD-1⁺ T-Lymphocytes and *Leishmania*-Infected Human Myeloid Cells in a Host Cell-Dependent Manner.

Authors: Filippis C,Arens K,Noubissi Nzeteu GA,Reichmann G,Waibler Z,Crauwels P,van Zandbergen G

Year
2019

Species
Human

Dilution
10 ng/mL

BMC research notes

HIV-1 subtype C Envelope function becomes less sensitive to N-glycosylation deletion during disease progression.

Authors: Lumngwena EN,Shuping L,Bernitz N,Woodman Z

Year
2019

Species
Human

Dilution
500 U/mL

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

More applications with references on thermofisher.cn

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