Human IL-2 Recombinant Protein

Product Details	
Size	100 µg
Species	Human
Published Species	Human
Expression system	E. coli
Molecular weight	15.5 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 < 0.5 ng/mL; determined by the dose-dependen proliferation of mouse CTLL-2 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	Size-exclusion - Gel filtration
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	-

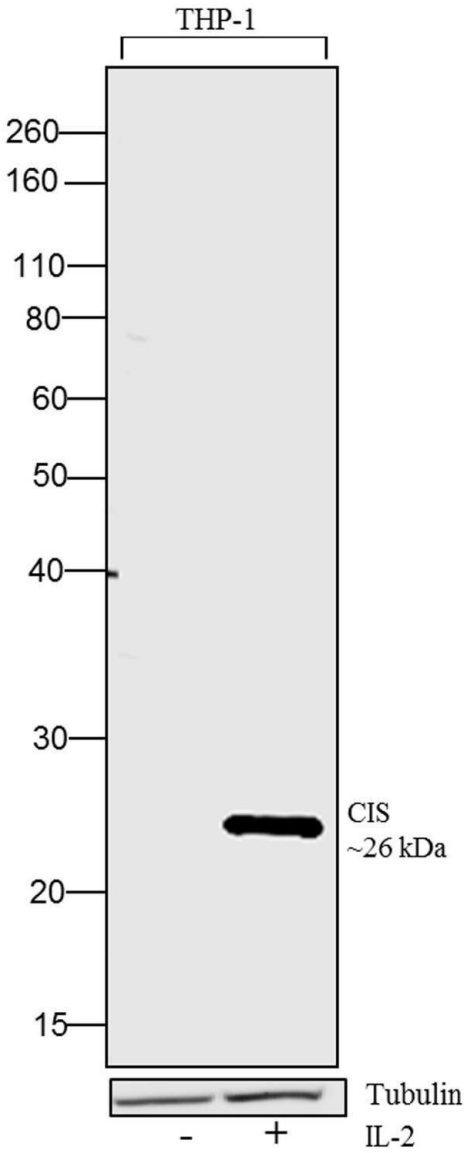
Product Specific Information

Carrier-Free

Reconstitution: Centrifuge the vial briefly, before opening to bring the contents to the bottom. Reconstitute the lyophilized protein in100 mM acetic acid to 0.1-1.0 mg/mL to regain full activity. 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.

Product Images For Human IL-2 Recombinant Protein



Human IL-2 Protein (PHC0021) in FN
THP-1 cells were treated with 20 ng/mL of human IL-2 recombinant protein (Product # PHC0023) for 24 hours. Western blot was performed using anti-CIS recombinant rabbit polyclonal antibody (Product # 710864) and a 30 kDa band corresponding to CIS was observed to be upregulated upon the treatment. Tubulin was used as a loading control.

5 References

Functional Assay (5)

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
200 U/mL

Cancer science

Distinct roles of programmed death ligand 1 alternative splicing isoforms in colorectal cancer.

Authors: Wang C,Weng M,Xia S,Zhang M,Chen C,Tang J,Huang D,Yu H,Sun W,Zhang H,Lai M

Year
2021

Species
Human

Dilution
30 U/mL

View more FN references on thermofisher.com

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.