

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-dependent 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

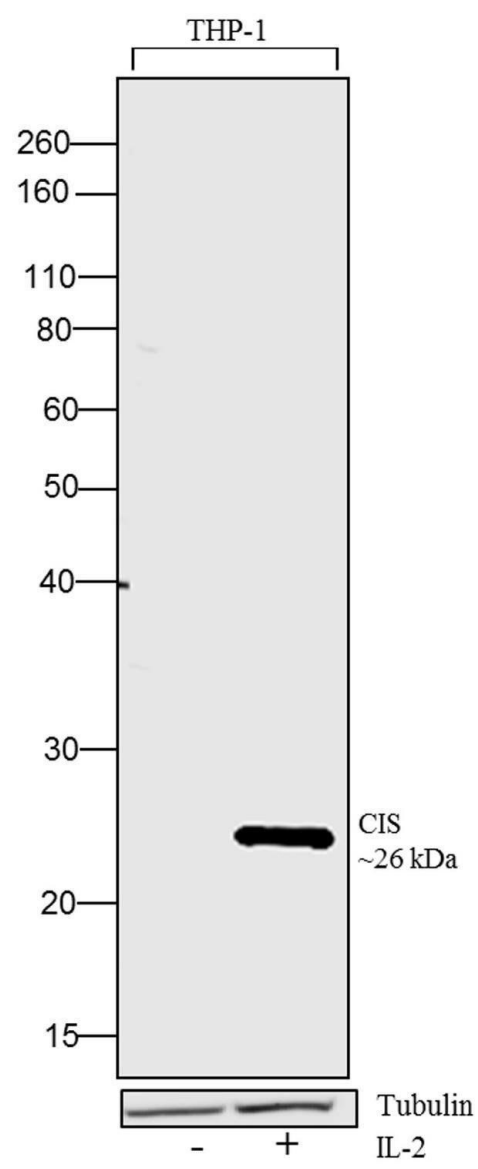
Reconstitution: Centrifuge the vial briefly, before opening to bring the contents to the bottom. Reconstitute the lyophilized protein in 100 mM acetic acid to 0.1-1.0 mg/mL to regain full activity. Make any further dilutions of the reconstituted protein in low endotoxin medium or buffered solution with 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.



Functional Assay (5)

Frontiers in immunology	Year 2021
A Small Molecule Antagonist of PD-1/PD-L1 Interactions Acts as an Immune Checkpoint Inhibitor for NSCLC and Melanoma Immunotherapy.	Species Human
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	Dilution 200 U/mL
Cancer science	Year 2021
Distinct roles of programmed death ligand 1 alternative splicing isoforms in colorectal cancer.	Species Human
Authors: Wang C,Weng M,Xia S,Zhang M,Chen C,Tang J,Huang D,Yu H,Sun W,Zhang H,Lai M	Dilution 30 U/mL

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