

Product Datasheet

IL-7R alpha/CD127 [p Tyr449] Antibody - BSA Free NB110-85537

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB110-85537

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB110-85537



NB110-85537

IL-7R alpha/CD127 [p Tyr449] Antibody - BSA Free

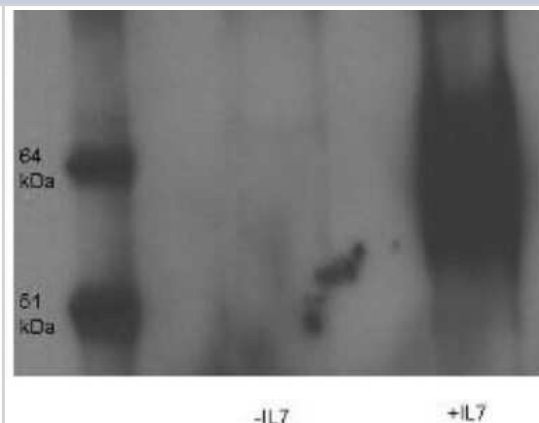
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This product was affinity purified from monospecific antiserum by immunoaffinity chromatography using phospho-peptide coupled to agarose beads followed by solid phase adsorption against non-phospho-peptide</p> <p>Store this antibody at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	3575
Gene Symbol	IL7R
Species	Human, Mouse, Rat
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with IL-7R alpha/CD127 from human, mouse and rat sources based on 100% homology with the immunizing sequence. Cross-reactivity with IL-7R alpha/CD127 from other sources has not been determined.
Specificity/Sensitivity	This antibody is specific for mouse IL-7R alpha/CD127 protein phosphorylated at Y449.
Immunogen	This affinity purified IL-7R alpha/CD127 [p Tyr449] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues near Y449 of mouse IL-7R alpha/CD127R alpha/CD127 protein. (Uniprot: P16872)

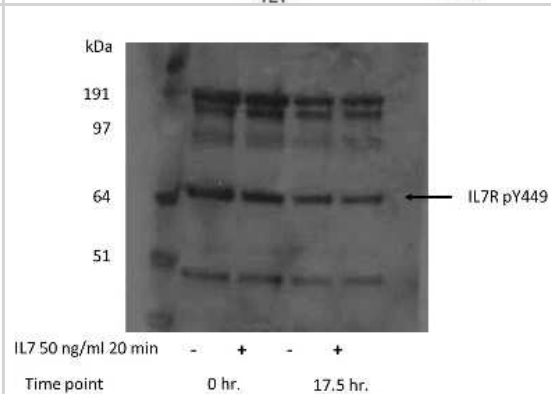
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:10000, ELISA 1:5000-1:50000, Immunohistochemistry 1:10 - 1:500
Application Notes	This affinity purified antibody has been tested for use in ELISA, immunoprecipitation, and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 55 kDa in size corresponding to phosphorylated IL-7 by western blotting in the appropriate cell lysate or extract. This phospho-specific polyclonal antibody reacts with mouse IL-7 pY449 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide.

Images

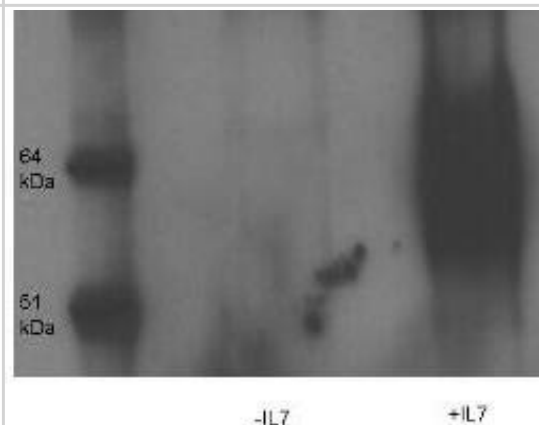
Western Blot: IL-7 R alpha/CD127 [p Tyr449] Antibody [NB110-85537] - Lane 1: thymocyte D1 cells. Lane 2: thymocyte D1 cells treated with IL7 (50 ng/ml). IP: with anti-Phosphotyrosine conjugated to Protein G agarose. Primary antibody: IL7pY449 antibody at 1:10000 for overnight at 4C. Secondary antibody: HRP-conjugated goat anti-rabbit antibody at 1:10,000 for 45 min at RT and ECL detection. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 55 kDa, 64 kDa for IL7pY449. Other band(s): unspecifics.



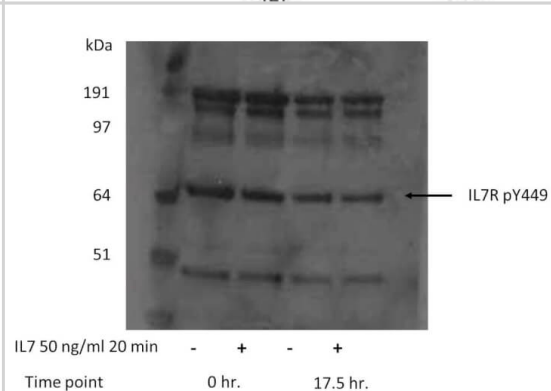
Western Blot: IL-7 R alpha/CD127 [p Tyr449] Antibody [NB110-85537] - Load: thymocyte D1 cells treated with or without IL-7 (50 ng/ml) for 20 min. Primary antibody: IL7pY449 antibody at 1:1000 for overnight at 4C. Secondary antibody: IRDye800 rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 55 kDa, 64 kDa for IL7pY449. Other band(s): unspecifics.



Western Blot and immunoprecipitation of Rabbit acceptor-alpha-chain-pY449 antibody. Lane 1: thymocyte D1 cells. Lane 2: thymocyte D1 cells treated with IL7 (50 ng/ml). IP: with anti-Phosphotyrosine conjugated to Protein G agarose. Primary antibody: IL7pY449 antibody at 1:10000 for overnight at 4C. Secondary antibody: HRP-conjugated goat anti-rabbit antibody at 1:10,000 for 45 min at RT and ECL detection. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 55 kDa, ~64 kDa for IL7pY449. Other band(s): unspecifics.



Western Blot of Rabbit aalpha/CD127 [p Tyr449] Antibody antibody. Load: thymocyte D1 cells treated with or without IL-7 (50 ng/ml) for 20 min. Primary antibody: IL7pY449 antibody at 1:1000 for overnight at 4C. Secondary antibody: IRDye800(TM) rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: 55 kDa, ~64 kDa for IL7pY449. Other band(s): unspecifics.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB110-85537

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP3-21313PEP	IL-7R alpha/CD127 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB110-85537

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

