

# Product Datasheet

## CD4 Antibody (BLR167J) **NBP3-14741**

Unit Size: 100 ul

Store at 2 - 8 C / 1 year from date of receipt

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**NBP3-14741**

CD4 Antibody (BLR167J)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 2 - 8 C / 1 year from date of receipt
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BLR167J
<b>Preservative</b>	0.09% Sodium Azide
<b>Purity</b>	>95%
<b>Buffer</b>	Borate Buffered Saline (BBS) pH 8.2 with BSA Free

**Product Description**

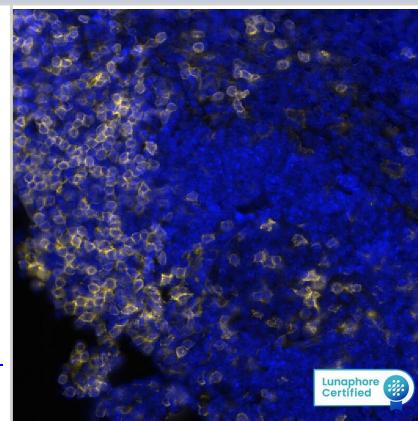
<b>Host</b>	Rabbit
<b>Gene ID</b>	920
<b>Gene Symbol</b>	CD4
<b>Species</b>	Mouse
<b>Immunogen</b>	between 407 and 457 (C-term)

**Product Application Details**

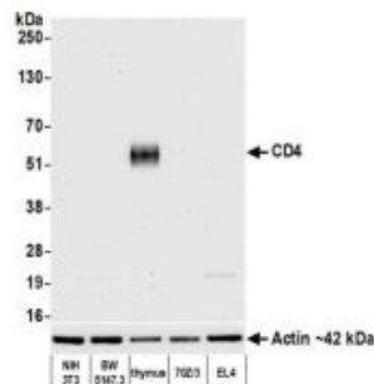
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Multiplex Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:100 - 1:500, Immunoprecipitation 6 ul/1 mg lysate, Immunohistochemistry-Paraffin 1:100 - 1:500, Multiplex Immunofluorescence 1:250
<b>Application Notes</b>	For Immunohistochemistry, epitope retrieval with Tris-EDTA pH9.0 is recommended for Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.

**Images**

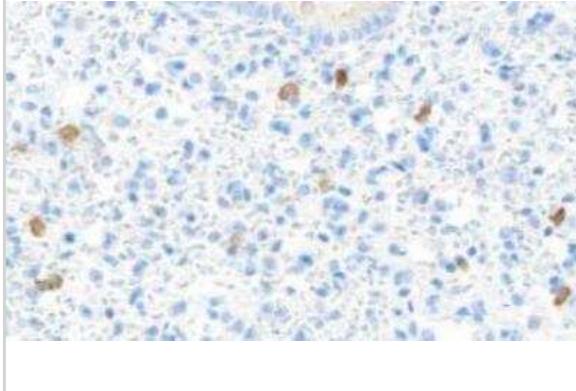
CD4 was detected in immersion fixed paraffin-embedded sections of mouse spleen using Rabbit Anti-Mouse CD4, Monoclonal Antibody (Catalog# NBP3-14741) at 1:250 dilution at 37° Celsius for 4 minutes. Before incubation with the primary antibody, tissue underwent an all-in-one dewaxing and antigen retrieval preprocessing using PreTreatment Module (PT Module) and Dewax and HIER Buffer H (pH 9; Epredia Catalog #TA-999-DHBH). Tissue was stained using the Alexa Fluor™ Plus 647 Goat anti-Rabbit IgG Secondary Antibody at 1:200 at 37 ° Celsius for 2 minutes. (Yellow; Lunaphore Catalog # [DR647RB](#)) and counterstained with DAPI (blue; Lunaphore Catalog # [DR100](#)). Specific staining was localized to the membrane. Protocol available in [COMET™ Panel Builder](#).



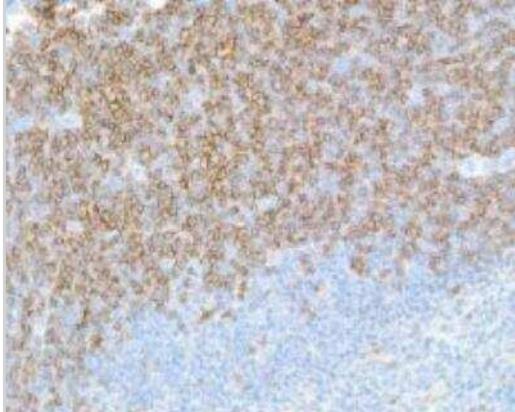
Western Blot: CD4 Antibody (BLR167J) [NBP3-14741] - Whole cell lysate (10 ug) from NIH 3T3, BW5147.3, mouse Thymus, 70Z/3, and EL4 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD4 recombinant monoclonal antibody [BLR167J] used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F].



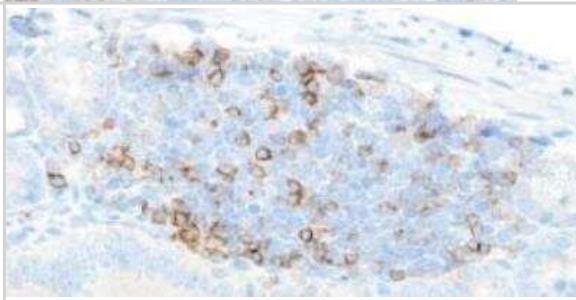
Immunohistochemistry-Paraffin: CD4 Antibody (BLR167J) [NBP3-14741] - Mouse lung, : Rabbit anti-CD4 recombinant monoclonal antibody [BLR167J]. Secondary: HRP-conjugated goat anti-rabbit IgG Substrate: DAB.



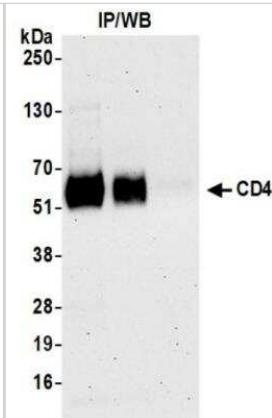
Immunohistochemistry-Paraffin: CD4 Antibody (BLR167J) [NBP3-14741] - Mouse spleen, Rabbit anti-CD4 recombinant monoclonal antibody [BLR167J]. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.



Immunohistochemistry-Paraffin: CD4 Antibody (BLR167J) [NBP3-14741] - Mouse gut, Rabbit anti-CD4 recombinant monoclonal antibody [BLR167J]. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.



Immunoprecipitation: CD4 Antibody [NBP3-14741] - s: Whole cell lysate (200 ug per IP reaction; 10% of IP loaded) from mouse thymus.  
Antibodies: Rabbit anti-CD4 recombinant monoclonal antibody used for IP at 6  $\mu$ l/200 ug lysate. CD4 was also immunoprecipitated by another antibody against a different epitope of CD4. For blotting immunoprecipitated CD4, was used at 1:1000. Chemiluminescence with an exposure time of 30 seconds.





## 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](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Products Related to NBP3-14741

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-19371PEP	CD4 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]

## 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.

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