

# Product Datasheet

## CD5 Antibody (CL12334) - BSA Free NBP3-15133-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-15133-100ul**

CD5 Antibody (CL12334) - BSA Free

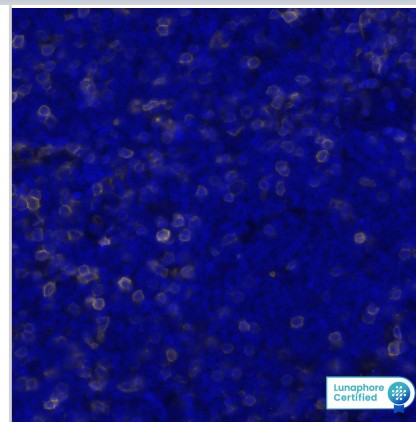
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL12334
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	921
Gene Symbol	CD5
Species	Human
Immunogen	This antibody was developed using a synthetic peptide derived from P06127, with the exact immunogen sequence remaining proprietary.

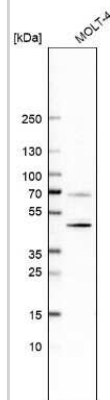
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, COMET
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:1000- 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, COMET
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence, PFA/Triton X-100 is recommended for fixation/permeabilization.

**Images**

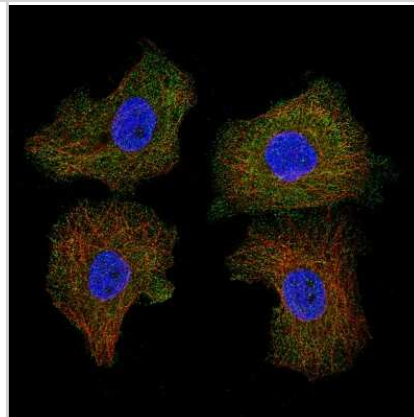
CD5 was detected in immersion fixed paraffin-embedded sections of human mantle cell lymphoma using Mouse Anti-Human CD5 Monoclonal Antibody (Catalog # NBP3-15133) at 1:50 at 37 ° Celsius for 4 minutes. Before incubation with the primary antibody, tissue underwent an all-in-one dewaxing and antigen retrieval 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™ 647 Goat anti-Mouse IgG Secondary Antibody at 1:200 at 37 ° Celsius for 2 minutes. (Yellow; Lunaphore Catalog # [DR647MS](#)) and counterstained with DAPI (blue; Lunaphore Catalog # [DR100](#)). Specific staining was localized to the cell membrane. Protocol available in [COMET™ Panel Builder](#).



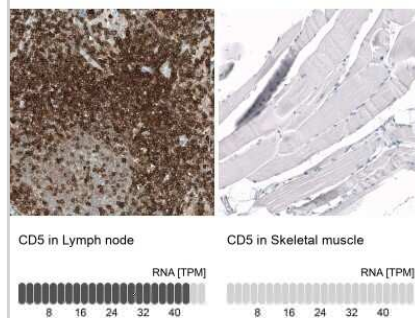
Western Blot: CD5 Antibody (CL12334) [NBP3-15133] - Analysis in human cell line MOLT-4.



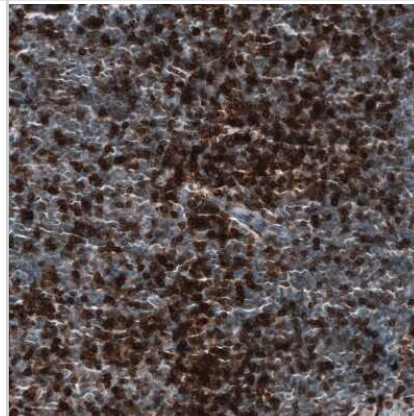
Immunocytochemistry/Immunofluorescence: CD5 Antibody (CL12334) [NBP3-15133] - Staining of A-431 cells using the Anti-CD5 monoclonal antibody, showing localization in plasma membrane in green. Microtubule- and nuclear probes are visualized in red and blue, respectively.



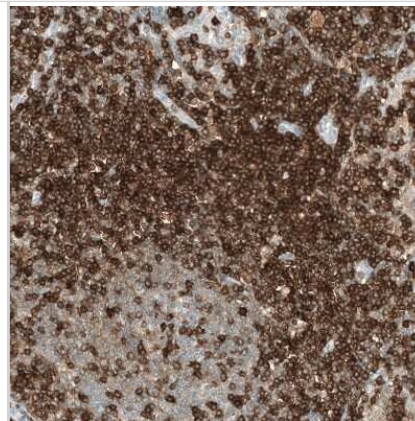
Immunohistochemistry-Paraffin: CD5 Antibody (CL12334) [NBP3-15133] - Analysis in human lymph node and skeletal muscle tissues using NBP3-15133 antibody. Corresponding CD5 RNA-seq data are presented for the same tissues.



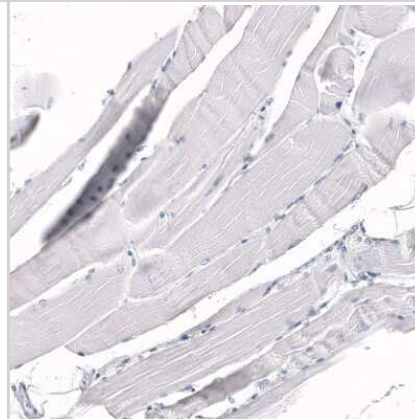
Immunohistochemistry-Paraffin: CD5 Antibody (CL12334) [NBP3-15133] - Staining of human chronic lymphocytic leukemia shows strong membranous positivity in tumor cells.



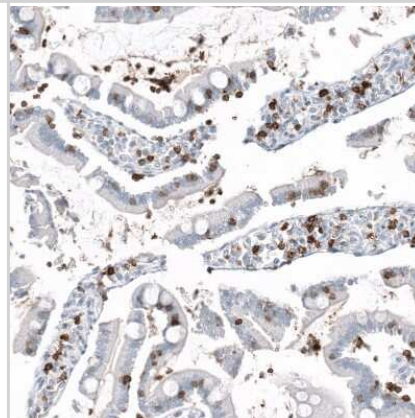
Immunohistochemistry-Paraffin: CD5 Antibody (CL12334) [NBP3-15133]  
- Staining of human lymph node shows strong membranous positivity in germinal non-germinal center cells.



Immunohistochemistry-Paraffin: CD5 Antibody (CL12334) [NBP3-15133]  
- Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: CD5 Antibody (CL12334) [NBP3-15133]  
- Staining of human small intestine shows strong membranous positivity in lymphoid cells.





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### Products Related to NBP3-15133-100ul

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-38900PEP	CD5 Recombinant Protein Antigen

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### 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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