

Product Datasheet

CD5 Antibody (CL12420) - BSA Free NBP3-21215-100ul

Unit Size: 100 ul

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

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NBP3-21215-100ul

CD5 Antibody (CL12420) - BSA Free

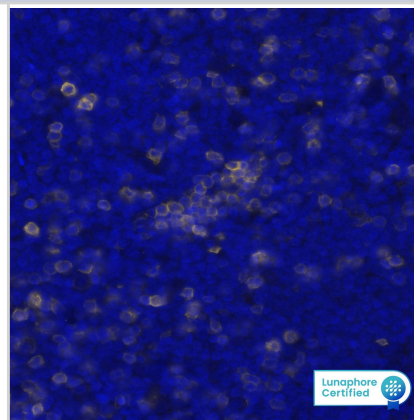
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL12420
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

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.

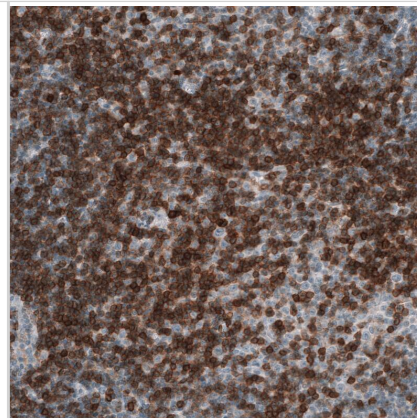
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, COMET
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:1000- 1:2500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin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

Images

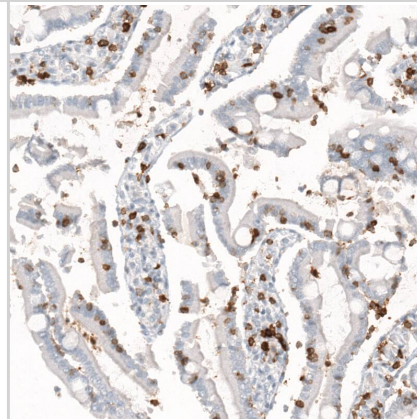
CD5 was detected in immersion fixed paraffin-embedded sections of human mantle cell lymphoma using Mouse Anti-Human CD5 Monoclonal Antibody (Catalog # NBP3-21215) at 1:50 at 37 ° Celsius for 4 minutes. Before incubation with the primary antibody, tissue underwent an all-in-one dewaxing and antigen retrieval 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](#).



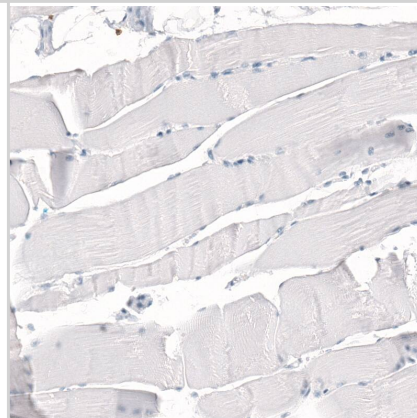
Staining of human chronic lymphocytic leukemia shows strong membranous positivity in tumor cells.



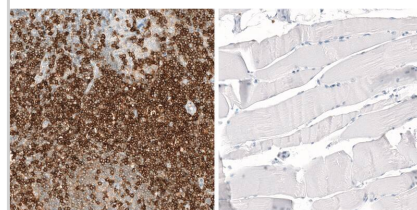
Staining of human small intestine shows strong membranous positivity in lymphoid cells.



Staining of human skeletal muscle shows no positivity in myocytes as expected.



Analysis in human lymph node and skeletal muscle tissues using NBP3-21215 antibody. Corresponding CD5 RNA-seq data are presented for the same tissues.

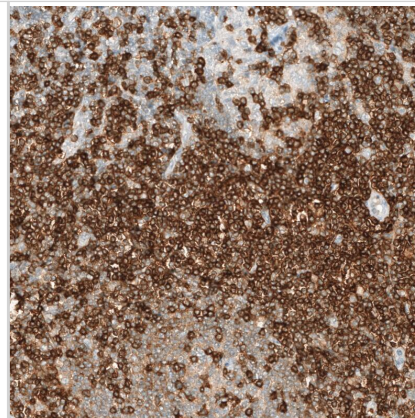


CD5 in Lymph node

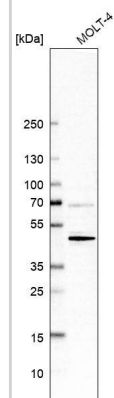
CD5 in Skeletal muscle



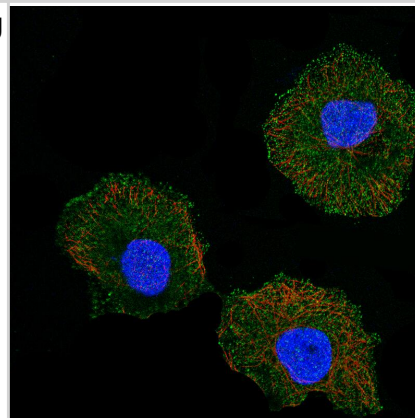
Staining of human lymph node shows strong membranous positivity in germinal and non-germinal center cells.



Analysis in human cell line MOLT-4.



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.





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Products Related to NBP3-21215-100ul

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-38509PEP	CD5 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.

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