

# Product Datasheet

## CD5 Antibody (C5/473 + CD5/54/F6) - Azide and BSA Free NBP2-34583-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-34583-0.1mg**

CD5 Antibody (C5/473 + CD5/54/F6) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C5/473 + CD5/54/F6
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	67 kDa

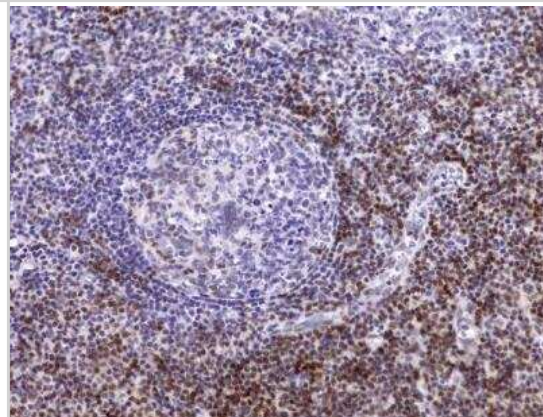
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34316).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	921
Gene Symbol	CD5
Species	Human, Rat, Bovine, Rabbit
Marker	Mantle Cell Lymphoma Marker
Specificity/Sensitivity	Recognizes a 67kDa transmembrane protein, which is identified as CD5. The CD5 antigen is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in T cell areas. Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic B-cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL), mantle cell lymphoma, and a subset (~10%) of diffuse large B-cell lymphoma. CD5 aberrant expression is useful in making a diagnosis of mature T-cell neoplasms. Anti-CD5 detection is diagnostic in CLL/SLL within a panel of other B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also very useful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) from thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.
Immunogen	Human CD5 recombinant protein (C5/473); A synthetic peptide from the intracellular region of human CD5 (CD5/54/F6)

Product Application Details	
Applications	ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA 1-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	ELISA: For coating use Ab at 1-2ug/ml, order Ab without BSA. Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA, pH 7.5-8.5, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

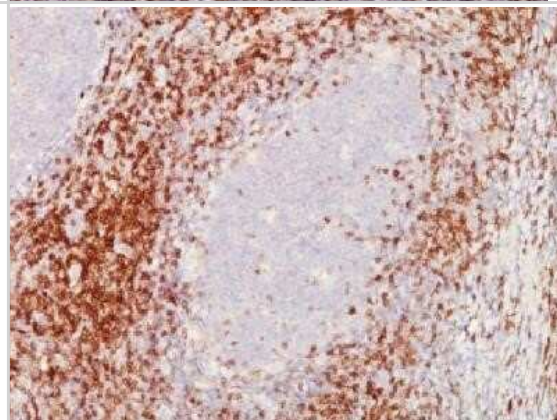


## Images

Immunohistochemistry-Paraffin: CD5 Antibody (C5/473 + CD5/54/F6) - Azide and BSA Free [NBP2-34583] - CD5 CODEX stain of human tonsil tissue. Image from verified customer review.



Immunohistochemistry-Paraffin: CD5 Antibody (C5/473 + CD5/54/F6) - Azide and BSA Free [NBP2-34583] - Formalin-fixed paraffin-embedded human tonsil stained with CD5 Monoclonal antibody (C5/473+CD5/54/F6)





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### **Products Related to NBP2-34583-0.1mg**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
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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