

# Product Datasheet

## CD5 Antibody (CD5/54/F6) [DyLight 594] NBP2-34593DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-34593DL594**

CD5 Antibody (CD5/54/F6) [DyLight 594]

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CD5/54/F6
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	DyLight 594
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate

Product Description	
<b>Host</b>	Mouse
<b>Gene ID</b>	921
<b>Gene Symbol</b>	CD5
<b>Species</b>	Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rabbit
<b>Marker</b>	Mantle Cell Lymphoma Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Recombinant fragment (around aa450-495) of human CD5 protein (intracellular region). (Uniprot: P06127 )
<b>Notes</b>	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

Product Application Details	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-34593DL594**

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NBP1-43319DL594	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) [DyLight 594]
NBP2-38509PEP	CD5 Recombinant Protein Antigen
6507-IL-010/CF	IL-4 [Unconjugated]
1636-CD-050	CD5

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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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