# **Product Datasheet**

# CD5 Antibody (CD5/54/F6) [Allophycocyanin/Cy7] NBP2-34593APCCY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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# **NBP2-34593APCCY7**

CD5 Antibody (CD5/54/F6) [Allophycocyanin/Cy7]

Storage   Store at 4C in the dark. Do not freeze.	CD5 Antibody (CD5/54/F6) [Allophycocyanin/Cy7]		
Concentration   Please see the vial label for concentration. If unlisted please contact techn services.	Product Information		
Storage   Store at 4C in the dark. Do not freeze.	Unit Size	0.1 ml	
Clonality Monoclonal Clone CD5/54/F6 Preservative 0.05% Sodium Azide Isotype IgC1 Kappa Conjugate Allophycocyanin/Cy7 Purity Protein A or G purified Buffer PBS Product Description Host Mouse Gene ID 921 Gene Symbol CD5 Species Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rat Marker Mantle Cell Lymphoma Marker Specificity/Sensitivity Recognizes a 67kDa transmembrane protein, which is identified as CD5. CD5 antigen is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in Tecll area Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CLI 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 B-cell markers, especially one that includes anti-CD3-Anti-CD5 is also vuseful in differentiating among mature small lymphod cell malgnancies. In B-cell markers, especially one that includes anti-CD3-Anti-CD5 is also vuseful in differentiating among mature small lymphoid cell malgnancies. In Recombinant fragment (around aa450-495) of human CD5 protein (intracregion). (Uniprot: P06127)  Product Application Details  Applications Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Application Notes  Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrac or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Concentration	Please see the vial label for concentration. If unlisted please contact technical services.	
Clone CD5/54/F6  Preservative 0.0.5% Sodium Azide  Isotype IgG1 Kappa  Conjugate Allophycocyanin/Cy7  Purity Protein A or G purified  Buffer PBS  Product Description  Host Mouse  Gene ID 921  Gene Symbol CD5  Species Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rat Marker Mantle Cell Lymphoma Marker  Specificity/Sensitivity Recognizes a 67kDa transmembrane protein, which is identified as CD5. 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 are. Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CL 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 B-cell markers, especially one that includes anti-Canti-Carcinoma (+) fror thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.  Immunogen Recombinant fragment (arround aa450-495) of human CD5 protein (intracting region). (Uniprot: P06127)  Product Application Details  Application Notes  Optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrat or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Storage	Store at 4C in the dark. Do not freeze.	
Preservative   19G1 Kappa   19G1 Kappa   19G1 Kappa   19G1 Kappa   19G1 Kappa   19G1 Kappa   20J1 Kappa   2	Clonality	Monoclonal	
IgG1 Kappa	Clone	CD5/54/F6	
Conjugate Allophycocyanin/Cy7 Purity Protein A or G purified Buffer PBS  Product Description Host Mouse Gene ID 921 Gene Symbol CD5 Species Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rat. Marker Mantle Cell Lymphoma Marker Specificity/Sensitivity Recognizes a 67kDa transmembrane protein, which is identified as CD5. CD5 attigen is found on 95% of thymocytes and 72% of peripheral blood lymphocytes. In lymph nodes, the main reactivity is observed in T cell area Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CL mantle cell lymphoma, and a subset (~10%) of diffuse large B-cell lymphoma (CD5 abernat expression is useful in making a diagnosis of mature T-cell neoplasms. Anti-CD5 detection is diagnostic in CLL/SLL within a panel of B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also vuseful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) fror thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.  Immunogen Recombinant fragment (around aa450-495) of human CD5 protein (intrace region). (Uniprot: P06127)  Product Application Details Applications Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready Recommended Dilutions Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready Application Notes Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrad or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Preservative	0.05% Sodium Azide	
Purity Protein A or G purified  Buffer PBS  Product Description  Host Mouse  Gene ID 921  Gene Symbol CD5  Species Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rat. Marker Mantle Cell Lymphoma Marker  Specificity/Sensitivity Recognizes a 67kDa transmembrane protein, which is identified as CD5. 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 area. Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CL mantle cell lymphoma, and a subset (-10%) of diffuse large B-cell lymphom. 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 B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also vuseful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) fror thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.  Immunogen Recombinant fragment (around aa450-495) of human CD5 protein (intrace region). (Uniprot: P06127)  Product Application Details  Applications Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, cyTOF-ready  Application Notes Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrae or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Isotype	IgG1 Kappa	
Product Description	Conjugate	Allophycocyanin/Cy7	
Product Description  Host Mouse  Gene ID 921  Gene Symbol CD5  Species Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rat Marker Mantle Cell Lymphoma Marker  Specificity/Sensitivity Recognizes a 67kDa transmembrane protein, which is identified as CD5. 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 are Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CL mantle cell lymphom, and a subset (~10%) of diffuse large B-cell lymphom 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 B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also vuseful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) fror thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.  Immunogen Recombinant fragment (around aa450-495) of human CD5 protein (intracting cipin). (Uniprot: P06127)  Product Application Details  Applications Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Application Notes Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrae or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Purity	Protein A or G purified	
Host   Gene ID   921	Buffer	PBS	
Gene Symbol CD5 Species Human, Rat, Porcine, Bovine, Chicken, Equine, Guinea Pig, Monkey, Rat Marker Mantle Cell Lymphoma Marker Specificity/Sensitivity Recognizes a 67kDa transmembrane protein, which is identified as CD5. 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 area Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CL mantle cell lymphoma, and a subset (~10%) of diffuse large B-cell lymphoc CD5 aberrant expression is useful in making a diagnosis of mature T-cell neoplasms. Anti-CD5 detection is diagnostic in CLI/SLL within a panel of B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also vuseful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) fror thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.  Immunogen Recombinant fragment (around aa450-495) of human CD5 protein (intracting region). (Uniprot: P06127)  Product Application Details  Applications Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Application Notes Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrae or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Product Description		
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Specificity/Sensitivity	Gene ID	921	
Marker         Mantle Cell Lymphoma Marker           Specificity/Sensitivity         Recognizes a 67kDa transmembrane protein, which is identified as CD5. 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 are: Anti-CD5 is a pan T-cell marker that also reacts with a range of neoplastic cells, e.g. chronic lymphocytic leukemia/small lymphocytic lymphoma (CL 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 B-cell markers, especially one that includes anti-CD23. Anti-CD5 is also vuseful in differentiating among mature small lymphoid cell malignancies. In addition, anti-CD5 can be used in distinguishing thymic carcinoma (+) fror thymoma (-). Anti-CD5 does not react with granulocytes or monocytes.           Immunogen         Recombinant fragment (around aa450-495) of human CD5 protein (intract region). (Uniprot: P06127)           Product Application Details         Applications           Applications         Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready           Recommended Dilutions         Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready           Application Notes         Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrad or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Gene Symbol	CD5	
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region). (Uniprot: P06127 )  Product Application Details  Applications  Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Recommended Dilutions  Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  Application Notes  Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure or extreme temperature fluctuations. These can lead to irreversible degrad or decoupling. When staining intracellular targets, specific attention to the and permeabilization steps in your flow protocol may be required. Please	Specificity/Sensitivity	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	
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our technical support team at technical@novusbio.com if you have any questions.	Application Notes	Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at technical@novusbio.com if you have any questions.	





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General: novus@novusbio.com

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1636-CD-050 CD5

202-IL-010 IL-2 [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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