Recombinant CD5 (Mantle Cell Lymphoma Marker) Antibody

Mouse Monoclonal Antibody [Clone rC5/6429]

Catalog No	Format	Size
921-MSM14-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
921-MSM14-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
921-MSM14-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

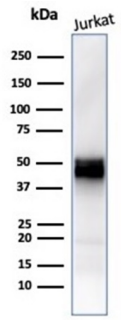
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

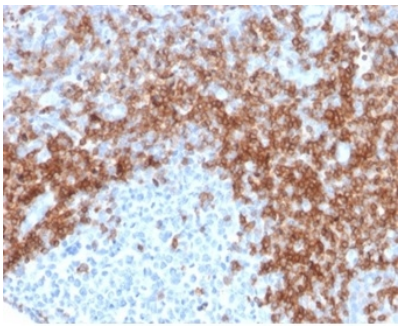
Clone	rC5/6429
Immunogen	Recombinant fragment (around aa269-366) of the human CD5 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	54.58kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	293T, or MOLT-4 cells. Human tonsil or lymph node., Ramos, K-562.

**Optimal dilution for a specific application should be determined.*

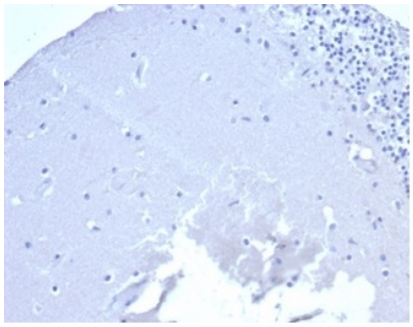
Product Images for Recombinant CD5 (Mantle Cell Lymphoma Marker) Antibody



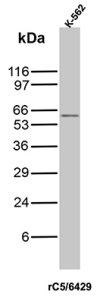
Western blot analysis of Jurkat cell lysate using CD5 Recombinant Mouse Monoclonal Antibody (rC5/6429).



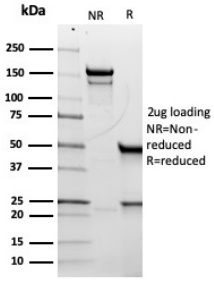
Formalin-fixed, paraffin-embedded human tonsil stained with CD5 Recombinant Mouse Monoclonal Antibody (rC5/6429).



IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using rC5/6429 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Western blot analysis of K-562 cell lysate using CD5 Recombinant Mouse Monoclonal Antibody (rC5/6429).



SDS-PAGE Analysis of Purified CD5 Recombinant Mouse Monoclonal Antibody (rC5/6429). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

The CD5 antigen is a transmembrane glycoprotein expressed on the surface of practically all mature human T-cells (about 10% of CD4+ T-cells being CD5 negative). In immature (CD34+) T-cells, CD5 is weakly expressed, the intensity of expression increasing with maturation. CD5 is also expressed in a small subset of normal human B-cells (20% of B-cells in the peripheral blood, scattered cells in the lymph node mantle zone). The CD5+ cells are probably involved in B-T interaction and their ligand is CD72 which is expressed on all B cells. It appears that CD5+ B-cells on activation primarily produce IgM. They also produce more autoantibodies than normal CD5 negative B-cells. Thus, the CD5+ B-cell population is expanded in rheumatoid arthritis and systemic lupus erythematosus. The CD5 antibody reacts with CD5 expressed on B and T cells, and may be a useful aid for the classification of B and T-cell malignancies. This includes B-cell chronic lymphoid leukemia (B-CLL), B-cell small lymphocytic lymphoma (B-SLL), mantle cell lymphoma (MCL) and T-cell lymphoma and leukemia.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.