

CD53 (TSPAN25) Antibody

Mouse Monoclonal Antibody [Clone 63-5A3]

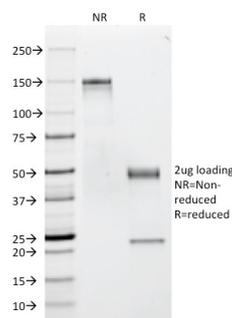
Catalog No	Format	Size
963-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
963-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
963-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details	
Clone	63-5A3
Gene Name	CD53
Immunogen	Human Sezary cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	33-55kDa
Cellular Localization	Cell junction, Cell membrane, Membrane
Species Reactivity	Human
Positive Control	Daudi, Raji and Jurkat cells. Human leukocytes. Human tonsil and lymph node.

*Optimal dilution for a specific application should be determined.

Product Images for CD53 (TSPAN25) Antibody



SDS-PAGE Analysis of Purified CD53 Mouse Monoclonal Antibody (63-5A3).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Recognizes a protein of 33-55kDa, identified as CD53 (Workshop V; Code CD53.1). CD53 is expressed on monocytes, and macrophages, granulocytes, dendritic cells, osteoblasts and osteoclasts, NK cells, and on T- and B-cells from every stage of differentiation but is absent from platelets, erythrocytes, and non-haemopoietic cells. CD53 is a member of a family of tetraspan transmembrane proteins, including CD9, CD37, CD63, CD81, and CD82. It associates with integrins, MHC class II molecules, and a tyrosine phosphatase and plays a role in cellular activation as part of a signal transduction complex involving other membrane glycoproteins. Defects of CD53 expression on neutrophils appear to be related with recurrent infectious diseases. Cross-linking CD53 using CD53 antibodies led to cytoplasmic calcium fluxes in B cells, monocytes, and granulocytes and activation of the monocyte oxidative burst.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. 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.

Research Areas

Cardiovascular, Immunology

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.
