

## CD53 (TSPAN25) Antibody

Mouse Monoclonal Antibody [Clone 161-2]

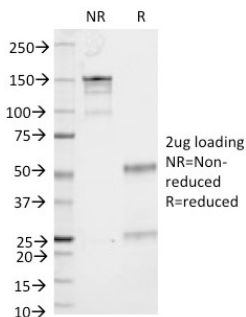
Catalog No	Format	Size
963-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
963-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
963-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

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

Product Details	
<b>Clone</b>	161-2
<b>Gene Name</b>	CD53
<b>Immunogen</b>	Stimulated human leukocytes
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a / Kappa
<b>Mol. Weight of Antigen</b>	33-55kDa
<b>Cellular Localization</b>	Cell junction, Cell membrane, Membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Daudi, HL-60, human leukocytes. Human tonsil and lymph node., HUT-102, HUT-78, IM9, Jurkat, Kg1a, Raji, THP-1, U266, YT

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

### Product Images for CD53 (TSPAN25) Antibody



SDS-PAGE Analysis of Purified CD53 Mouse Monoclonal Antibody (161-2).  
Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

Recognizes a protein of 33-55kDa, identified as CD53 (Workshop VI; Code N-L033). It is expressed on monocytes and macrophages, dendritic cells, osteoblasts and osteoclasts, and on T and B cells from every stage of differentiation but is absent from platelets, red blood cells. CD53 appears to be the marker with widest reactivity as well as the marker with the strictest specificity to hematopoietic cells. CD53 is a type III membrane with both termini in the cytoplasm and two loops in the extracellular environment. This molecule, in common with other members of tetraspan family, is involved in cellular activation as part of a signal transduction complex involving other membrane glycoproteins. CD53 crosslinking induces calcium flux on human monocyte and B cells. Cross-linking of CD53 promotes activation of resting human B-lymphocytes. This MAbs recognizes CD53 transfected cells and partially inhibits T-cell proliferation induced by CD3 antibody (clone: UCHT1).

### 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.

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