

## 36-1949: Monoclonal Antibody to CD53 (TSPAN25)(Clone : 63-5A3)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	63-5A3
<b>Application :</b>	Functional Assay,FACS,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD53
<b>Gene ID :</b>	963
<b>Uniprot ID :</b>	P19397
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD53,MOX44,TSPAN25
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	Human Sezary cells

### Description

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.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Functional Studies (Order Ab without Azide);Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);