



Datasheet for ABIN6941218 **anti-CD53 antibody**



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1 Image

Overview

Quantity:	100 µg
Target:	CD53
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD53 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Functional Studies (Func)

Product Details

Immunogen:	Human Sezary cells
Clone:	63-5A3
Isotype:	IgG2b kappa
Specificity:	Recognizes a protein of 33-55 kDa, 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 Details

Purification: Purified by Protein A/G

Target Details

Target: CD53

Alternative Name: CD53 ([CD53 Products](#))

Molecular Weight: 33-55kDa

Gene ID: 963

UniProt: [P19397](#)

Application Details

Application Notes: Positive Control: Daudi, Raji and Jurkat cells. Human leukocytes. Human tonsil and lymph node.
Known Application: Functional Studies (Order Ab without Azide), Flow Cytometry (0.5-1 μ g/million cells), Immunofluorescence (0.5-1 μ g/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 μ g/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

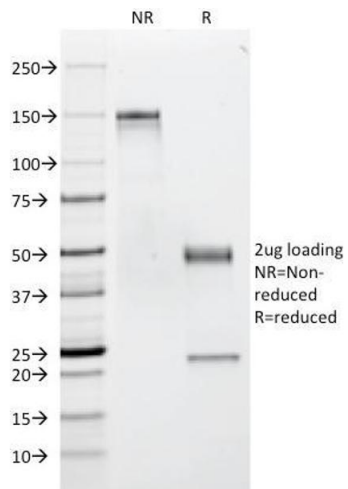
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: 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.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD53 Mouse Monoclonal Antibody (63-5A3). Confirmation of Purity and Integrity of Antibody