

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD53 Monoclonal Antibody(APC  
Conjugated)

**Catalog:** DL20620F

**Synonyms:** Leukocyte surface antigen CD53, CD53, Cell surface  
glycoprotein  
CD53, Tetraspanin-25, Tspan-25, MOX44, TSPAN25

**Background:** CD53 is a 35-42 kD type III tetraspan membrane  
protein. It is expressed on all leukocytes, but not on  
platelets or erythrocytes. CD53 is thought to be  
involved in signal transduction. It has been shown to  
interact with a number of proteins including IL-4,  
CD20, CD2, CD9, IL-2, VLA-4, and CD4.  
Cross-linking of CD53 promotes B cell activation.  
The CD53 antigen is highly glycosylated and  
treatment with endoglycosidase F reduces the

apparent molecular weight of this protein by approximately 25 kD.

**Form:** Liquid

**Isotype:** Mouse IgG2a,  $\kappa$

**Size:** 20 Tests/50 Tests/100 Tests/200 Tests

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:**

**Conjugation:** APC

**SwissProt:** P19397

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### **Recommended Use:**

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ l staining volume or per 100  $\mu$ l of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### **Data:**

Human peripheral blood lymphocytes are stained with Anti-Human CD53 Monoclonal Antibody(APC Conjugated)(filled gray histogram).

Unstained lymphocytes (empty black histogram) are used as control.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.