



<b>Catalog#</b>	<b>CD53F-100</b>	<b>Size</b>	<b>100 tests</b>
<b>Catalog#</b>	<b>CD53F-25</b>	<b>Size</b>	<b>25 tests</b>

---

**Mouse Anti-Human CD53-FITC conjugate**

**PRODUCT INFORMATION**

**CLONE:** HI29  
**ISOTYPE:** Mouse IgG1  
**WS.No.:**  CD53.3

**Product Forms:** Purified.

**DESCRIPTION**

CD53 McAb recognizes a 32-42KD type III, tetraspan membrane glycoprotein called TM4. CD53 antigen appears to be the marker with the strictest specificity for hematopoietic cells expressing on all leucocytes including plasma cells, but not on platelets, erythrocytes and non-hematopoietic cells. CD53 mediates signal transduction.

**PREPARATION**

The monoclonal antibody is purified from ascites by protein G affinity chromatography.

**USAGE**

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections.

**STORAGE**

For purified forms, long term storage at -20°C.

**REFERENCES**

1. Shen DC., Chen Z., Bai JF., et al., 1991. Properties and preliminary application of three monoclonal antibodies of non-lineage antigens- CD45, CD45R and CD53. J. Monoclonal Antibody. 7(1):53
- Knapp, W., B. Dorken, E. P. Rieber, et al., eds. 1989. Leucocyte Typing : White Cell Differentiation Antigens. P: 674—677, 1088 Oxford University Press, New York.