ALPHA DIAGNOSTIC INTERNATIONAL

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## Mouse Anti-Human CD38-PE Cy5 conjugate

**Catalog# CD38PC-100 Size 100 tests**
**Catalog# CD38PC-25 Size 25 tests**

### PRODUCT INFORMATION

**CLONE:** HIT2
**ISOTYPE:** Mouse IgG1, κ
**WS.No.:** III 155
**Product Forms:** Purified, FITC conjugation, PE conjugation, PE-Cy5 conjugation.

### DESCRIPTION

CD38 McAb recognizes a 45 KD single chain type ☐ transmembrane glycoprotein expressed on thymocytes, activated T and B cells, hematopoietic progenitors and terminally differentiated B cells–plasma cells (at high levels). CD38 antigen is also present on monocytes, dendritic cells, NK cells and some epithelial cells. CD38 is a NAD glycohydrolase and is a regulator of cell activation and proliferation, and also involved in adhesion between human lymphocytes and endothelial cells.

### PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC, R-PE, PE-Cy5 under optimum conditions.

### 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.
The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20µl/$10^6$ cells or 100µl peripheral blood cells.
The conjugated reagent (PE-Cy5) is tested for flow cytometric analysis using 10µl/$10^6$ cells or 100µl peripheral blood cells.

### STORAGE

For purified forms, long term storage at -20oC.
For conjugated forms, storage at 4oC, should not be frozen and avoid prolonged exposure to light.

### REFERENCES


1. Shen DC., Chen Z., Yu AX., et al., 1986. A group of monoclone antibodies reacted with human thymocyte differentiation antigens: production and specificity analysis. Chinese J. of Immunology. 2(6):331
2. Chen Z., Shen DC., Yu AX., et al., 1987. A group of monoclone antibodies reacted with human thymocyte differentiation antigens II. Biological properties. Shanghai J. of Immunol. 7(1):1
3. Yang CY., Shen DC., She M., et al., 1993. The study of a CD38 monoclonal antibody. J. Monoclonal Antibody. 9(4):56
4. McMichael AJ., P.C.L. Beverly, W.Gilks, et al., eds. 1987. Leucocyte Typing ☐: White Cell Differentiation Antigens. P：41，57，66 Oxford University Press, New York.

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