

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD38 Monoclonal Antibody(PE  
Conjugated)

**Catalog:** DL20763F

**Synonyms:** ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase  
1,CD38,2'-phospho-ADP-ribosyl  
cyclase,2'-phospho-cyclic-ADP-ribose  
transferase,ADP-ribosyl cyclase 1,ADPRC 1,Cyclic  
ADP-ribose hydrolase 1,cADPr hydrolase  
1,T10,CD38

**Background:** CD38 is a 45 kD type II transmembrane glycoprotein  
also known as T10. It is an ADP-ribosyl hydrolase  
expressed at variable levels on hematopoietic cells  
and in some non-hematopoietic tissues (such as  
brain, muscles, and kidney). In humans, it is  
expressed at high levels on plasma cells and activated

T and B cells. By functioning as both a cyclase and a hydrolase, CD38 mediates lymphocyte activation, adhesion, and the metabolism of cADPR and NAADP. CD31 is the ligand of CD38.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:**

**Host:** Mouse

20Tests/100Tests/100Tests $\times$ 2

**Reactivity:** Human

**Application:** FCM

**Concentration:** 5  $\mu$ L

**Conjugation:** PE

**SwissProt:** P28907

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### **Recommended Use:**

Each lot of this antibody is quality control tested by 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.

**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.