

**Manufacturer/Supplier:**

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**Product name:** Purified Anti-Human CD38 Monoclonal Antibody

**Catalog:** DL20760F

**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:** 25 $\mu$ g/100 $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM,IHC

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P28907

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### **Recommended Use:**

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.