

**Antibody Data**

|                      |                 |               |             |
|----------------------|-----------------|---------------|-------------|
| <b>Product SKU:</b>  | <b>AGEL0992</b> | <b>Clone:</b> | <b>HIT2</b> |
| <b>Applications:</b> | <b>FCM</b>      |               |             |
| <b>Reactivity:</b>   | <b>Human</b>    |               |             |

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

**Alternate Names:** 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;

**Uniprot ID:** P28907

**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.

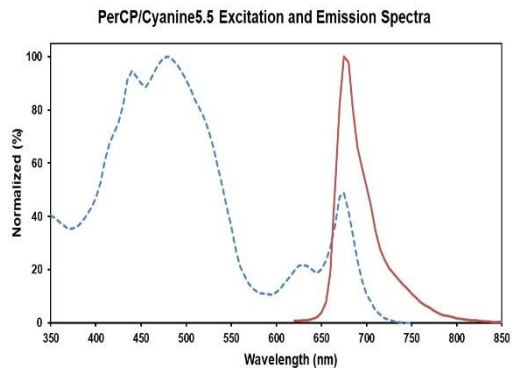
**Form:** Liquid

**Conjugation:** PerCP/Cyanine 5.5

**Size:** 20 Tests, 100 Tests, 200 Tests

**Host Species:** Mouse

**Isotype:** Mouse IgG1, κ



Ex:440;480;675 nm; Em:675 nm

**Isotype Control:** PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL0992]

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

**Shipping:** Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**Recommended Usage:** 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.