

### Antibody Data

<b>Product SKU:</b>	<b>AGEL3506</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:

<b>Alternate Names:</b>	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;
<b>Uniprot ID:</b>	P28907
<b>Background:</b>	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.
<b>Form:</b>	Liquid
<b>Conjugation:</b>	Unconjugated
<b>Size:</b>	25&micro;g, 100&micro;g
<b>Host Species:</b>	Mouse
<b>Isotype:</b>	Mouse IgG1, κ
<b>Isotype Control:</b>	Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL3506]
<b>Storage Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
<b>Shipping:</b>	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. 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.