

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL2719</b>	<b>Clone:</b>	<b>IM7</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Human;Mouse</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

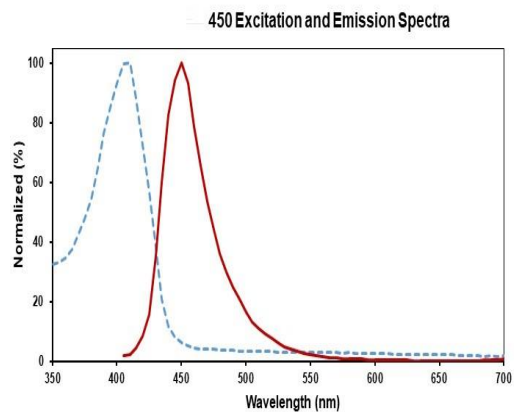
**Product Information:**

**Alternate Names:** CD44 antigen;CD44;CDw44;Epican;Phagocytic glycoprotein 1;PGP-1;Phagocytic glycoprotein I;PGP-I;CD44;LHR; MDU2; MDU3; MIC4; P15379 P16070

**Uniprot ID:**

**Background:** CD44 is a 80-95 kD glycoprotein also known as Hermes, Pgp1, H-CAM, or HUTCH. It is expressed on all leukocytes, endothelial cells, hepatocytes, and mesenchymal cells. As B and T cells become activated or progress to the memory stage, CD44 expression increases from low or mid levels to high levels. Thus, CD44 has been reported to be a valuable marker for memory cell subsets. High CD44 expression on Treg cells has been associated with potent suppressive function via high production of IL-10. CD44 is an adhesion molecule involved in leukocyte attachment to and rolling on endothelial cells, homing to peripheral lymphoid organs and to the sites of inflammation, and leukocyte aggregation.

<b>Form:</b>	Liquid
<b>Conjugation:</b>	Genie FluorViolet 450
<b>Size:</b>	20 Tests, 100 Tests, 200 Tests
<b>Host Species:</b>	Rat
<b>Isotype:</b>	Rat IgG2b, κ



<b>Isotype Control:</b>	Genie Fluor Violet 450 Rat IgG2b, κ Isotype Control[LTF-2] [Product AGEL2719]
<b>Storage Buffer:</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
<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. 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.

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