

### Antibody Data

<b>Product SKU:</b>	<b>AGEL0250</b>	<b>Clone:</b>	<b>CC2C6D4</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>	Leukocyte surface antigen CD47;Cd47;Integrin-associated protein;IAP;
<b>Uniprot ID:</b>	Q08722
<b>Background:</b>	CD47 also known as Rh-associated protein, gp42, integrin-associated protein (IAP), and neutrophilin, is a 42-52 kD member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. Two splice variants have been described in the cytoplasmic tail, the shorter form is expressed in bone-marrow-derived cells, endothelial cells, and fibroblasts while the longer form is expressed by neural tissues. CD47 expression is widely distributed in hematopoietic cells including thymocytes, T cells, B cells, monocytes, platelets, and erythrocytes as well as epithelial cells, endothelial cells, fibroblasts, and neural tissues. CD47 functions as an adhesion molecule and thrombospondin receptor and is non-covalently associated with $\beta$ 3 integrins CD51/CD61, CD41/CD61. Thrombospondin is a ligand for CD47; in the absence of CD47 mice show defects in host defense and $\beta$ 3 integrin-dependent ligand binding, migration, and cellular activation. CD47 is also part of the Rh complex on erythrocytes.
<b>Form:</b>	Liquid
<b>Conjugation:</b>	Biotin
<b>Size:</b>	25&micro;g, 100&micro;g
<b>Host Species:</b>	Mouse
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Isotype Control:</b>	Biotin Mouse IgG1, $\kappa$ Isotype Control[MOPC-21] [Product AGEL0250]
<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. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  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.

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