

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL2762</b>	<b>Clone:</b>	<b>RMV-7</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

**Alternate Names:** Integrin alpha-V;  $\alpha$ V integrin; Vitronectin Receptor; Integrin  $\alpha$ V chain; ITGAV;

**Uniprot ID:** P43406

**Background:** CD51 is a 140 kD protein, also known as  $\alpha$ V integrin, vitronectin receptor, and integrin  $\alpha$ V. It is a member of the integrin family, expressed on activated T cells, polymorphonuclear granulocytes, platelets, blastocysts, and osteoclasts. CD51 forms heterodimers by association with integrins  $\beta$ 1,  $\beta$ 3,  $\beta$ 5 or  $\beta$ 6; these complexes then act as receptors for multiple extracellular matrix proteins (ECM). The  $\alpha$ V integrin heterodimers have varied functions in development, stimulation/activation and homeostasis. The primary ligands for CD51 complexes are fibronectin, fibrinogen, vitronectin, thrombospondin, von Willebrand factor, and CD31. The RMV-7 antibody has been reported to block binding of CD51 to vitronectin, fibronectin, and CD31 in some cell types, as well as blocking LAK cell cytotoxicity.

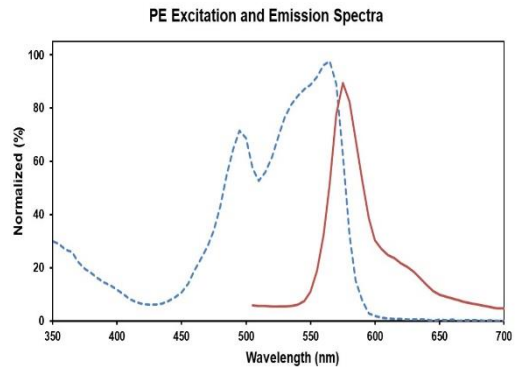
**Form:** Liquid

**Conjugation:** PE

**Size:** 50 Tests, 100 Tests, 200 Tests

**Host Species:** Rat

**Isotype:** Rat IgG1,  $\kappa$



Ex:495;565 nm; Em:575 nm

**Isotype Control:** PE Rat IgG1,  $\kappa$  Isotype Control[HRPN] [Product AGEL2762]

**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.