

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL3431</b>	<b>Clone:</b>	<b>HMβ1-1</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Mouse;Rat</b>		

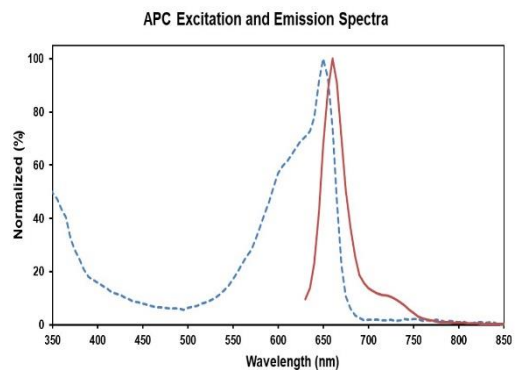
**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product Information:**

**Alternate Names:** integrin β1; VLA-β chain; β1 integrin; GPIIa; ITGB1;  
**Uniprot ID:** P09055 P49134  
**Background:** CD29 is a 130 kD protein, also known as integrin β1, VLA-β chain, or GPIIa. It is a member of the integrin family, expressed broadly on leukocytes, endothelial cells, smooth muscle, and epithelial cells. In association with CD49a-f, CD29 forms the VLA-1 through VLA-6 complexes, respectively. It plays an important role in cell-cell or cell-matrix interaction. The HMβ1-1 antibody reacts with both mouse and rat CD29. It is able to block cell adhesion and inhibit T cell proliferation.

**Form:** Liquid  
**Conjugation:** APC  
**Size:** 50 Tests, 100 Tests, 200 Tests  
**Host Species:** Armenian Hamster  
**Isotype:** Armenian Hamster IgG



Ex:650 nm; Em:660 nm

**Isotype Control:** APC Armenian Hamster IgG Isotype Control[PIP] [Product AGEL3431]  
**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.