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## Product Datasheet

### CD4 antibody (APC/Cy7) (orb1294039)

**Description**

Rat monoclonal antibody against CD4

<b>Species/Host</b>	Rat
<b>Reactivity</b>	Mouse
<b>Conjugation</b>	APC/Cy7
<b>Tested Applications</b>	FC, IF
<b>Immunogen</b>	Native purified mouse CD4.
<b>Target</b>	CD4
<b>Preservatives</b>	Rat IgG2b. Liquid in PBS, pH 7.3, 0.2% rAlbumin, and 0.02% sodium azide.
<b>Form/Appearance</b>	Rat IgG2b. Liquid in PBS, pH 7.3, 0.2% rAlbumin, and 0.02% sodium azide.
<b>Storage</b>	Shipped and store at 4°C for one year. Do not freeze.
<b>Note</b>	For research use only
<b>Application notes</b>	<p>1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add 10 µl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light. 3. Add 2 ml RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant. 5. Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant. 6. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).</p>
<b>Clonality</b>	Monoclonal
<b>Source</b>	Rat
<b>Uniprot ID</b>	<a href="#">P06332</a>
<b>Entrez</b>	<a href="#">12504</a>
<b>Dilution Range</b>	10 µl / assay