

## Product Datasheet

# Rat IgG2a Isotype Control Monoclonal Antibody (orb1293408)

<b>Catalog Number</b>	orb1293408
<b>Category</b>	Antibodies
<b>Description</b>	The Rat IgG2a Isotype Control Antibody is suitable for FC, IF. It is a Monoclonal, Unconjugated antibody .Purification: The antibody was purified by affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Rat
<b>Isotype</b>	Rat IgG2a
<b>Conjugation</b>	Unconjugated
<b>Form/Appearance</b>	Liquid
<b>Buffer/Preservatives</b>	PBS, pH 7.3, and 0.02% sodium azide.
<b>Purification</b>	The antibody was purified by affinity chromatography.
<b>Tested applications</b>	FC, IF
<b>Dilution range</b>	IF/IC (1/50 - 1/200), FC (1/500 - 1/2000)

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**Application notes**

1. Take 100 µl peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood; incubate for 30 minutes at room temperature. 3. Add 2 ml RBC lysis buffer; incubate for 10 minutes 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 appropriate amount of fluorescent-labeled anti-rat IgGs and incubate for 20 minutes away from light at room temperature. 7. Add 2 ml PBS wash buffer to resuspend the cells; then 1000 rpm centrifugation for 5 minutes; discard the supernatant. 8. 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).

**Antibody Type**

Primary Antibody

**Clone Number**

B3X3

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.

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