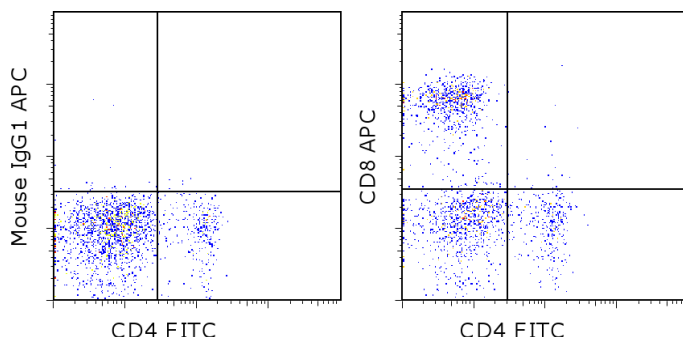


## Anti-Rat CD8a APC

**Catalog Number:** 17-0084

**Also known as:** CD8 alpha

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of rat splenocytes with Anti-Rat CD4 FITC (cat. 11-0040) and 0.03 ug of Mouse IgG1 K Isotype Control APC (cat. 17-4714) (left) or 0.03 ug of Anti-Rat CD8a APC (right). Cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Rat CD8a APC

**Catalog Number:** 17-0084

**Clone:** OX8

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Mouse IgG1, kappa



**LOT**



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**

### Description

The OX8 monoclonal antibody reacts with rat CD8 alpha. CD8 alpha is a member of the immunoglobulin superfamily which heterodimerizes with CD8 beta to form the CD8 antigen expressed on CD4+CD8+, double-positive thymocytes, the majority of MHC class I-restricted peripheral T cells, and on some macrophages. CD8 binds to MHC class I expressed on the surface of antigen-presenting cells during antigen presentation, and participates in T-cell receptor signal transduction through association with the kinase Lck.

### Applications Reported

This OX8 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This OX8 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Johnson P, Gagnon J, Barclay AN, Williams AF. Purification, chain separation and sequence of the MRC OX-8 antigen, a marker of rat cytotoxic T lymphocytes. EMBO J. 1985 Oct;4(10):2539-45. (OX8, protein purification, PubMed)

May E, Dorris ML, Satumtira N, Iqbal I, Rehman MI, Lightfoot E, Taurog JD. CD8 alpha beta T cells are not essential to the pathogenesis of arthritis or colitis in HLA-B27 transgenic rats. J Immunol. 2003 Jan 15;170(2):1099-105. (OX8, FC, FA, PubMed)

### Related Products

11-0040 Anti-Rat CD4 FITC (OX35)

12-0390 Anti-Rat CD25 PE (OX39)

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • [www.ebioscience.com](http://www.ebioscience.com) • [info@ebioscience.com](mailto:info@ebioscience.com)

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## Anti-Rat CD8a APC

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17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)