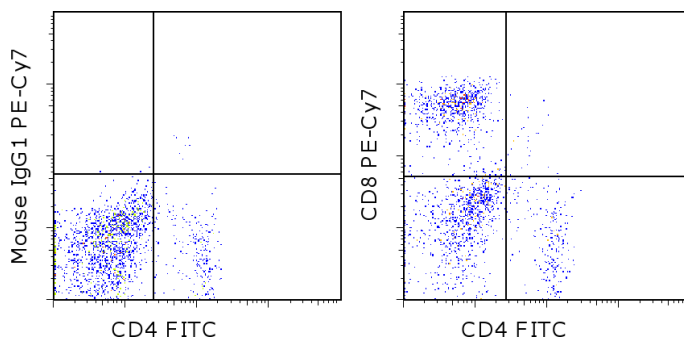


Anti-Rat CD8a PE-Cy7

Catalog Number: 25-0084

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 0.125 ug of Mouse IgG1 K Isotype Control PE-Cyanine7 (cat. 25-4714) (left) or 0.125 ug of Anti-Rat CD8a PE-Cyanine7 (right). Total viable cells were used for analysis.

Product Information



Contents: Anti-Rat CD8a PE-Cy7

Catalog Number: 25-0084

Clone: OX8

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1, kappa



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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



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 0.25 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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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)

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

Legal

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