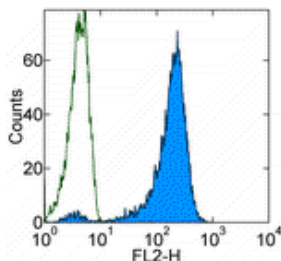


## Anti-Mouse DO11.10 TCR PE

Catalog Number: 12-5808

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



Staining of the DO11.10 T cell hybridoma with 0.06 ug of Mouse IgG2a K Isotype Control PE (cat. 12-4724) (open histogram) or 0.06 ug of Anti-Mouse DO11.10 TCR PE (filled histogram). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse DO11.10 TCR PE


**REF** Catalog Number: 12-5808

Clone: KJ1-26 (KJ126, KJI-26, KJI26)


Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG2a

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.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Contains sodium azide

### Description

The KJ1-26 anti-idiotypic monoclonal antibody binds the T-cell receptor (TCR) expressed on DO11.10 and DO11.10.24 murine T cell hybridomas, but not on any other T cell hybridomas tested. The TCR expressed on DO11.10 recognizes an ovalbumin peptide in the context of I-A<sup>d</sup> major histocompatibility molecules. The use of DO11.10 and KJ1-26 have proven to be instrumental in describing many of the intricate details of T cell immunity.

### Applications Reported

This KJ1-26 (KJ126, KJI-26, KJI26) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This KJ1-26 (KJ126, KJI-26, KJI26) antibody has been tested by flow cytometric analysis of the DO11.10 T cell hybridoma. This can be used at less than or equal to 0.125 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

Haskins, K., R. Kubo, J. White, M. Pigeon, J. Kappler, and P. Murrack. 1983. The major histocompatibility complex-restricted antigen receptor on T cells. Isolation with a monoclonal antibody. *J. Exp. Med.* 157: 1149-69.

Murrack, P., R. Shimonkevitz, C. Hannum, K. Haskins, and J. Kappler. 1983. The major histocompatibility complex-restricted antigen receptor on T cells. IV. An anti-idiotypic antibody predicts both antigen and specificity. *J. Exp. Med.* 158: 1635-46.

Murphy, K. M., A. B. Heimberger, and D. Y. Loh. 1990. Induction by antigen of intrathymic apoptosis of CD4<sup>+</sup> CD8<sup>+</sup> TCR<sup>lo</sup> thymocytes in vivo. *Science.* 250: 1720-3.

### Related Products

12-4724 Mouse IgG2a K Isotype Control PE

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