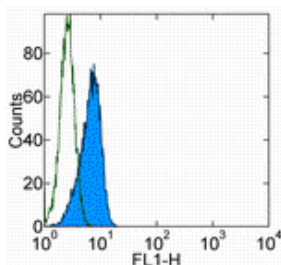


## Anti-Mouse DO11.10 TCR Purified

Catalog Number: 14-5808

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



Staining of the DO11.10 T cell hybridoma with 0.125 ug of Mouse IgG2a K Isotype Control Purified (cat. 14-4724) (open histogram) or 0.125 ug of Anti-Mouse DO11.10 TCR Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse DO11.10 TCR Purified


**REF** Catalog Number: 14-5808

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


Concentration: 0.5 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.

**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, and immunoprecipitation.

### 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 0.25 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 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. Marrack. 1983. The major histocompatibility complex-restricted antigen receptor on T cells. Isolation with a monoclonal antibody. *J. Exp. Med.* 157: 1149-69.

Marrack, 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 lo thymocytes in vivo. *Science.* 250: 1720-3.

### Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4724 Mouse IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

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