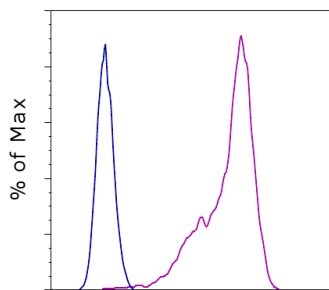


## Anti-Mouse DO11.10 TCR PerCP-eFluor<sup>®</sup> 710

**Catalog Number:** 46-5808

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



DO11.10 TCR PerCP-eFluor 710

Staining of the DO11.10 T cell hybridoma with 0.06 ug of Mouse IgG2a kappa Isotype Control PerCP-eFluor<sup>®</sup> 710 (cat. 46-4724) (blue histogram) or 0.06 ug of Anti-Mouse DO11.10 TCR PerCP-eFluor<sup>®</sup> 710 (purple histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse DO11.10 TCR PerCP-eFluor<sup>®</sup> 710

**REF** **Catalog Number:** 46-5808

**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.

**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 DO11 cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (ug) 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.

PerCP-eFluor<sup>®</sup> 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor<sup>®</sup> 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor<sup>®</sup> 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click [here](#) or contact eBioscience Technical Support for more information on eFluor<sup>®</sup> Organic Dyes including PerCP-eFluor<sup>®</sup> 710.

### 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.

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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+ CD8+ TCR lo thymocytes in vivo. *Science.* 250: 1720-3.

### **Related Products**

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor® 710

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