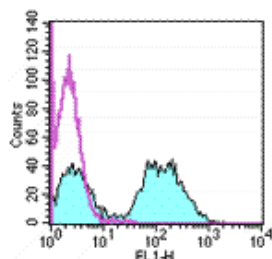


Anti-Mouse/Rat MHC Class II (I-Ek) FITC

Catalog Number: 11-5980

Also Known As: MHC II, IE-k, IEk

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



Staining of BALB/c splenocytes with 0.125 ug of Mouse IgG2a kappa Isotype Control FITC (cat. 11-4724) (open histogram) or 0.125 ug of Anti-Mouse/Rat MHC class II (I-Ek) FITC (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse/Rat MHC Class II (I-Ek) FITC


REF **Catalog Number:** 11-5980

Clone: 14-4-4S

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG2a, 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.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The 14-4-4S monoclonal antibody reacts with the mouse and rat major histocompatibility complex class II, I-E subregion-encoded glycoprotein in mice strains of H-2^k, H-2^d, H-2^p and H-2^r. H-2^b, H-2^f and H-2^s haplotypes do not express the I-E antigen. MHC class II is present on B cells, monocytes, macrophages, and dendritic cells. The 14-4-4S mAb has been reported to block antigen presentation in *in vitro* assays. This antibody cross-reacts with rat.

Applications Reported

14-4-4S has been reported for use in flow cytometric analysis.

Applications Tested

The 14-4-4S antibody has been tested by flow cytometric analysis of mouse splenocyte suspension and 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.

References

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- Maloy WL, Ozato K, Sachs DH, Coligan JE.** Evidence for the association of I-A and I-E molecules in d-haplotype mice. *Mol Immunol.* 1986 Mar;23(3):263-9.

Related Products

11-4724 Mouse IgG2a K Isotype Control FITC

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