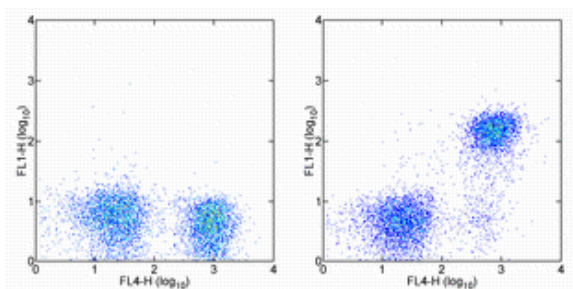


## Anti-Non-Human Primate/Rat alpha beta TCR FITC

**Catalog Number:** 11-5960

**Also Known As:** abTCR, TCRab

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



Staining of rat splenocytes with Anti-Rat CD5 APC (cat. 17-0050) and 0.06 ug of Mouse IgG1 K Isotype Control FITC (cat. 11-4714) (left) or 0.06 ug of Anti-Rat alpha/beta TCR FITC (right). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Non-Human Primate/Rat alpha beta TCR FITC

 **Catalog Number:** 11-5960

**Clone:** R73

**Concentration:** 0.5 mg/ml

**Host/Isotype:** Mouse IgG1

**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



**Caution, contains Azide**

### Description

This R73 monoclonal antibody reacts with the rat and non-human primate T cell receptor  $\alpha/\beta$  chain.  $\alpha\beta$  TCR is expressed by a majority of thymocytes and peripheral T cells, and intestinal intraepithelial lymphocytes. Cross-linking of the TCR complex with R73 induces the differentiation and activation of T cells.

The R73 antibody crossreacts with macaques and rhesus monkey.

### Applications Reported

The R73 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This R73 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.125  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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Pieters, R.H.H., P. Punt, M. Bol, J.M. van Dijken, W. Seinen, A.H. Penninks. The thymus atrophy inducing organotin compound DBTC stimulates TCRab-CD3 signaling in immature rat thymocytes. *Biochem Biophys Res Commun.* 1995 214: 552-58.

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**Related Products**

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.1)

17-0050 Anti-Rat CD5 APC (HIS47)

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