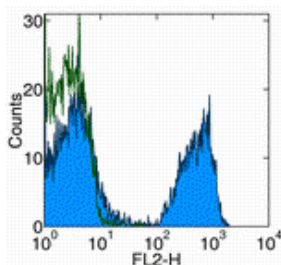


Anti-Non-Human Primate/Rat alpha beta TCR Functional Grade Purified

Catalog Number: 16-5960

Also Known As: abTCR, TCRab

RUO: For Research Use Only



Staining of rat splenocytes with Anti-Rat TCR $\alpha\beta$ PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Non-Human Primate/Rat alpha beta TCR Functional Grade Purified

REF **Catalog Number:** 16-5960

Clone: R73

Concentration: 1 mg/ml

Host/Isotype: Mouse IgG1

Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

This R73 monoclonal antibody reacts with the rat and non-human primate T cell receptor α/β 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. It has also been reported in *in vitro* T cell activation, and *in vivo* depletion of $\alpha\beta$ TCR⁺ cells.

Applications Tested

The R73 antibody has been tested by flow cytometric analysis. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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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antigen receptor that induces T cell activation. Differential reactivity with subsets of immature and mature T lymphocytes." J Exp Med. 1989 169: 73-86.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

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