

Anti-Non-Human Primate/Rat alpha beta TCR PE

Catalog Number: 12-5960

Also known as: abTCR, TCRab

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

Product Information

Contents: Anti-Non-Human Primate/Rat
alpha beta TCR PE
Catalog Number: 12-5960
Clone: R73
Concentration: 0.2 mg/mL
Host/Isotype: Mouse IgG1

REF



LOT



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 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.

Applications Tested

The R73 antibody has been tested by flow cytometric analysis. This can be used at less than or equal to 0.06 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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Brenan, M., D.J.G. Rees. Sequence analysis of rat integrin α E1 and α E2 subunits: tissue expression reveals phenotypic similarities between intraepithelial lymphocytes and dendritic cells in lymph. *Eur J Immunol.* 1997 27: 3070-79.

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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Hunig, T., H.J. Wallny, J.K. Hartley, A. Lawetzky, G. Tiefenthaler. A monoclonal antibody to a constant determinant of the rat T cell 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

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

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