

## Product datasheet for **SM321P**

### T Cell Receptor (TCR) alpha/beta Mouse Monoclonal Antibody [Clone ID: R73]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R73
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: 1/50 - 1/100; Use 10µl of the suggested working dilution to label 100µl of whole blood or 10e6 cells in 100µl. Immunohistochemistry on frozen sections: 1/10 - 1/100. Immunoprecipitation.
Reactivity:	Monkey, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat T Blasts and Erythrocytes. Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.
Specificity:	This antibody recognises a constant determinant on the beta chain of the alpha/beta T cell receptor, expressed by 97% of peripheral T cells as defined by the OX-52 marker. R73 is mitogenic for unseparated spleen cells and for purified T cells. In the rat thymus, mature medullary cells express the R73 determinant at the same levels as peripheral T cells, whereas 94% of CD4 - CD8 - thymocytes are R73 negative. This clone is reported to stimulate adhesion between Thymic Dendritic Cells and Thymocytes.
Formulation:	PBS, pH7.2 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Synonyms:** TCRA, TCRB, T-Cell Receptor alpha, T-Cell Receptor beta, T-Cell Receptor alpha beta