



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Rat CD8

Monoclonal antibody Rib 6/1 is used for the identification of CD8 bearing cells, mainly T-cytotoxic and suppressor lymphocytes, in tissue sections and isolated cell suspensions. Preliminary results indicate that the Rib 6/1 antigen is the β -chain of the CD8 antigen which is not expressed by NK-cells.

Product Number:	T-3110
Clone:	Rib 6/1
Host species, isotype:	Mouse IgG1
Quantity:	100 μ g
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 1 μ g/ml (1:200) Paraffin sections: does not react on routinely processed paraffin sections. Optimal dilutions should be determined by the end user. Suggested positive control: rat spleen
Immunogen:	Rat lymphoblasts.
Antigen distribution:	Isolated cells: Subpopulation of T-cells in the peripheral blood. Tissue sections: Rib 6/1 detects the T-cell regions in lymphoid organs and stains cortical and medullary thymocytes positively.
Specificity:	Rat: T-cell subpopulation, thymocytes. Other species: cross reactivity with human monocytes has been observed in FACS.

Comparison of CD4 and CD8 Monoclonal antibodies performed by flow cytometry

% Positive Cells



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	CD8		CD4	
antibody	Rib 6/1	OX-8	Rib 5/2	W3/25
source:				
Lymphnode	16	16	46	43
Spleen	13	13	31	30
Peripheral Blood	25	26	48	49

Courtesy of Dr. Lehmann, University of Rostock, Germany.

For in vitro research only. Caution: this product contains thimerosal, a poisonous and hazardous substance.