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**Antibody to Mouse CD4
RAT MONOCLONAL**

Catalog Number: PRP-165ANT
Quantity: 500 micrograms, 1 milligram
Format: Lyophilized
Host: Rat
Isotype: IgG
Clone: mCD4
Immunogen: Purified mouse LN CD4+ T cells

Background:

CD4 is a cell-surface glycoprotein found on mature helper T-cells, immature thymocytes, monocytes, and macrophages. Some cytotoxic T-cells express CD4 as well. The T-cell population in normal blood is approximately 65% CD4+. A mature T-cell expresses either CD4 or CD8, but not both. During an early stage of development T-cells have both CD4 and CD8 receptors but are differentiated in the thymus.

Specificity and Preparation:

Rat anti-mouse CD4 is purified by ion exchange chromatography. The protein concentration is 1 mg/ml in PBS after reconstitution.

Usage and Storage:

Reported to be effective for staining ($10 \mu\text{l}/10^6$ cells) and cytotoxicity. The titer for cytotoxicity should be determined by the investigator.
Reconstitute with H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. In lyophilized form, store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Antibody is stable two years lyophilized, one month in solution at 4°C.

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