

**Antibody to Human CD5**
MOUSE MONOCLONAL

Catalog Number: PRP-171ANT
Quantity: 500 micrograms
Format: Lyophilized
Host: Mouse
Isotype: IgG1
Clone: hCD5
Immunogen: Purified human PBL CD4+ T cells

Background: The T1/Leu1/CD5 molecule, a human T-cell surface glycoprotein of relative molecular mass (Mr) 67,000, has been implicated in the proliferative response of activated T cells and in T-cell helper function. Ly1 is the murine homolog. In the mouse, lymphocyte surface antigens that are markers for function have been identified. Allelic forms are known and chromosomal assignment of the loci has been achieved. Ly1 is on mouse chromosome 19. Ly2 and Ly3 are on mouse chromosome 6. Ly5 is on mouse chromosome 1. Ly6 is on mouse chromosome 15.

Specificity & Preparation: Mouse anti-human CD5 is purified by ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

Usage: Reported to be effective for flow cytometry ($10 \mu\text{l}/10^6$ cells).

Storage: Reconstitute with H₂O. Gently spin down material 5-10 seconds in a microfuge before use. Store lyophilized material at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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