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## Mouse Anti-Human CD4 Monoclonal Antibody

**CLSG36550**

**Lot:**

**Immunogen:** Synthetic peptide corresponding to the external domain of CD4 molecule.

**Clone:** 1F6

**Isotype:** IgG1

**Format:** 1ml. This antibody is supplied as tissue culture supernatant containing sodium azide as preservative.

**Titer/Working Dilution:** This antibody may be diluted to a titer of 1:15-1:30 in an ABC method. However, depending on the staining conditions employed, we suggest that final dilution should be determined by the user.

**Staining Protocol:** We suggest an incubation period of 30-60 minutes at room temperature or overnight at 4°C. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. High temperature antigen unmasking technique is required for paraffin embedded tissue sections. We recommend using 1mM EDTA pH 8.0 buffer instead of sodium citrate pH 6.0 buffer for antigen unmasking.

**Specificity:** This antibody reacts specifically with CD4 cells. CD4 is a single chain transmembrane glycoprotein with a molecular weight of 59 kD. The CD4 antigen is found on a T cell subset (helper/inducer) and also on thymocytes and monocytes.

**Positive Control:** Tonsil

**Cellular Localization:** Cell membrane

Continued Overleaf...

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**Storage:** Store the antibody at 4-8°C. Do not use it beyond the expiration date stated on the label.

- References:**
- i) Arthos et al. Cell 54: 65, 1988.
  - ii) Dagleish et al. Nature 312: 763, 1984.
  - iii) Gay et al. Nature 328: 626, 1987.
  - iv) Stein et al. Adv Cancer Res 42: 67, 1984.

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JV 01/25/06