

**anti-human CD4 FITC-conjugated****Cat-No.:** H12128F**1 ml****Clone:** MEM-241**Specificity:**

The antibody MEM-241 recognizes CD4 antigen, a 55 kDa transmembrane glycoprotein expressed on a subset of T-cells (helper T-cells) and also on monocytes, tissue macrophages and granulocytes.

**HCDM (former HLDA VIII) Meeting**, May 2006, Québec, Canada; **WS Code M241**

**Immunogen:** 2 N-terminal domains of human CD4 fused to human IgG1 Fc.**Isotype subclass:** Mouse IgG1

**Form:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

**Expiration date:** The reagent is stable until the expiry date stated on the vial label

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 0.2% BSA and 15mM sodium azide

**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

**Application:** Immunohistochemistry on frozen tissue sections or flow cytometric analysis of leukocytes

**References:**

Millan J, Cerny J, Horejsi, V, Alonso MA.: CD4 segregates into specific detergent-resistant T-cell membrane microdomains. Tissue Antigens. 1999 Jan;53(1):33-40.

Foti M, Phelouzat MA, Holm A, Rasmusson BJ, Carpentier JL.: p56Lck anchors CD4 to distinct microdomains on microvilli. Proc Natl Acad Sci U S A. 2002 Feb 19;99(4):2008-13.

Brdickova N. et al.: LIME: a new membrane Raft-associated adaptor protein involved in CD4 and CD8 coreceptor signaling. J Exp Med. 2003 Nov 17;198(10):1453-62.

**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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