

anti-human CD4 PE/Dy647-conjugated**Cat-No.:** H12128PD647**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 PE-Dyomics 647 (PE-DY647) under optimum conditions. The conjugate is purified by size-exclusion chromatography 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 15 mM sodium azide (pH 7.4).

Storage conditions:

Store at 4°C. Do not freeze. Avoid prolonged exposure to light.

Application:

The reagent is designed for flow cytometry analysis of human blood cells.

References:

Millan J, Cerny, 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 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.

This material is offered for **research only**. Not for use in human. For in vitro use only.

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