

## Datasheet

### CD4 monoclonal antibody, clone MEM-241 (FITC)

**Catalog Number:** MAB4510

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against partial recombinant CD4.

**Clone Name:** MEM-241

**Immunogen:** Recombinant Fc fusion protein corresponding to partial human CD4.

**Host:** Mouse

**Theoretical MW (kDa):** 55

**Reactivity:** Human

**Applications:** Flow Cyt, WB  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody recognizes CD4 antigen, a 55 KDa transmembrane glycoprotein expressed on a subset of T lymphocytes (helper T-cells) and also on monocytes, tissue macrophages and granulocytes.

**Form:** Liquid

**Conjugation:** FITC

**Isotype:** IgG1

**Recommend Usage:** Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10<sup>6</sup> cells in a suspension)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 0.09% sodium azide)

**Storage Instruction:** Store in the dark at 4°C. Do not

freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 920

**Gene Symbol:** CD4

**Gene Alias:** CD4mut

#### References:

1. CD molecules 2006--human cell differentiation molecules. Zola H, Swart B, Banham A, Barry S, Beare A, Bensussan A, Boumsell L, Buckley C, Buhning HJ, Clark G, Engel P, Fox D, Jin BQ, Macardle PJ, Malavasi F, Mason D, Stockinger H, Yang X. J Immunol Methods. 2007 Jan 30;319(1-2):1-5. Epub 2006 Dec 4.
2. LIME: a new membrane Raft-associated adaptor protein involved in CD4 and CD8 coreceptor signaling. Brdickova N, Brdicka T, Angelisova P, Horvath O, Spicka J, Hilgert I, Paces J, Simeoni L, Kliche S, Merten C, Schraven B, Horejsi V. J Exp Med. 2003 Nov 17;198(10):1453-62. Epub 2003 Nov 10.
3. Cell surface receptors, virus entry and tropism of primate lentiviruses. Clapham PR, McKnight A. J Gen Virol. 2002 Aug;83(Pt 8):1809-29.