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## 36-3461: Anti-CD2 / Lymphocyte Function Antigen 2 (LFA-2) Monoclonal Antibody(Clone: UMCD2)

Clonality: Monoclonal
Clone Name: UMCD2

**Application:** Functional Assay, FACS, IF

Reactivity: Human
Gene: CD2
Gene ID: 914
Uniprot ID: P06729

Alternative Name: Erythrocyte receptor; LFA-2; LFA-3 receptor; Ly-37; Lymphocyte function antigen 2; Rosette

receptor; SRBC; T-cell surface antigen CD2; T-cell surface antigen T11/Leu-5; T11

**Isotype:** Mouse IgG2a, kappa

Immunogen Information: Human Thymocytes/Sezary T cells

## **Description**

CD2 interacts throµgh its amino-terminal domain with the extracellular domain of CD58 (also designated CD2 ligand) to mediate cell adhesion. CD2/CD58 binding can enhance antigen-specific T cell activation. CD2 is a transmembrane glycoprotein that is expressed on peripheral blood T lymphocytes, NK cells and thymocytes. CD58 is a heavily glycosylated protein with a broad tissue distribution in hematopoietic and other cells, including endothelium. Interaction between CD2 and its counter receptor LFA3 (CD58) on opposing cells optimizes immune system recognition, thereby facilitating communication between helper T lymphocytes and antigen-presenting cells, as well as between cytolytic effectors and target cells.

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Functional Studies (Order Ab without Azide); ,Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (0.5-1ug/ml); ,

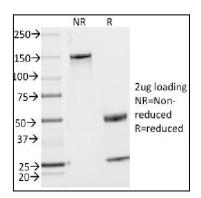


Fig. 1: SDS-PAGE Analysis Purified CD2 Mouse Monoclonal Antibody (UMCD2). Confirmation of Integrity and Purity of Antibody.