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### 36-3466: Anti-CD2 / Lymphocyte Function Antigen 2 (LFA-2) Monoclonal Antibody(Clone: LFA2/600)

Clonality :	Monoclonal			
Clone Name :	LFA2/600			
Application :	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 IgG1, kappa			
Immunogen Information	: Recombinant human LFA2 protein			

#### 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 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

	with 0.05% BSA & 0.05% azide. Also available with 001 BSA & azide at 1.0mg/mi.
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**

Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); ,

		NR	R	
250 <b>→</b>				
150→		-		
100→				
75 <b>→</b>	-			2ug loading
50→			_	NR=Non- reduced
37→				R=reduced
25→				
20→				
15→				
10→				

Fig. 1: SDS-PAGE Analysis Purified CD2 Mouse Monoclonal Antibody (LFA2/600). Confirmation of Integrity and Purity of Antibody.

## **w** abeomics

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com

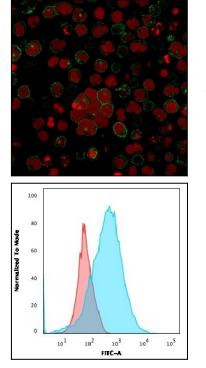


Fig. 2: Immunofluorescence staining of MOLT-4 cells using CD2 Mouse Monoclonal Antibody (LFA2/600) followed by goat anti-Mouse IgG conjµgated to CF488 (green). Nuclei are stained with Reddot.

Fig. 3: Flow Cytometric Analysis of MOLT-4 cells using CD2 Mouse Monoclonal Antibody (LFA2/600) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).