



CD2 Antibody [1E7E8.G4]

Cat. No.: 33-079



Ψ Specifications

HOST SPECIES:	Mouse
SPECIES REACTIVITY:	Human
IMMUNOGEN:	Human Thymocytes/Sezary T cells were used as the immunogen for this CD2 antibody.
TESTED APPLICATIONS:	Flow, Func, IF
APPLICATIONS:	<p>Functional Testing: order azide-free format</p> <p>Flow Cytometry: 0.5-1 ug/million cells</p> <p>IF: 0.5-1 ug/ml</p> <p>The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.</p>

Ψ Properties

PURIFICATION:	Protein G affinity chromatography
CLONALITY:	Monoclonal
ISOTYPE:	IgG2a, kappa

CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at 2-8 °C. Avoid freez-thaw cycles.

Ψ Additional Info

OFFICIAL SYMBOL:	CD2
ALTERNATE NAMES:	CD2, CD2 antigen, Erythrocyte receptor, LFA-3 receptor, LFA-2, Lymphocyte-function antigen-2, T11, SRBC, CD2 molecule, Rosette receptor, T-cell surface antigen CD2
GENE ID:	914
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Ψ Background and References

BACKGROUND:	<p>CD2 interacts through 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.</p>
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