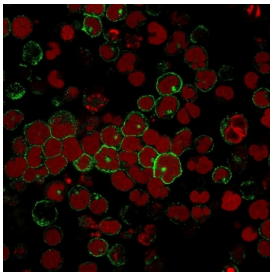
CD2 Antibody [clone BH1] (V2032)

Catalog No.	Formulation	Size
V2032-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2032-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2032SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

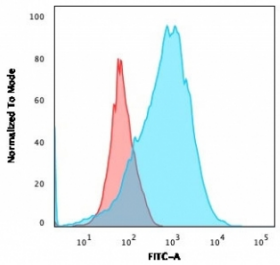
Citations (1)

Bulk quote request

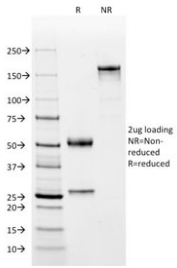
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	BH1
Purity	Protein G affinity chromatography
Gene ID	914
Localization	Cell surface
Applications	Functional Studies : order BSA/sodium azide-free format Flow Cytometry : 1-2ug/million cells Immunofluorescence : 0.5-1ug/ml
Limitations	This **CD2 antibody** is available for research use only.



Immunofluorescent staining of human MOLT-4 cells with CD2 antibody (clone BH1, green) and Reddot nuclear stain (red).



Flow cytometry testing of human MOLT-4 cells with CD2 antibody (clone BH1); Red=isotype control, Blue= CD2 antibody.



SDS-PAGE analysis of purified, BSA-free CD2 antibody (clone BH1) as confirmation of integrity and purity.

Description

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.

Application Notes

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.

Immunogen

Human CD2 protein was used as the immunogen for this antibody.

Storage

Store the CD2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

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, CD2 antibody

References (1)