



[Go to Product page](#)

Datasheet for ABIN6941013

anti-CD2 antibody

3 Images

Overview

Quantity:	100 µg
Target:	CD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Functional Studies (Func)

Product Details

Immunogen:	Human CD2 protein
Clone:	BH1
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD2
Alternative Name:	CD2 (CD2 Products)
Background:	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

Target Details

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.

Molecular Weight: 50kDa

Gene ID: 914

UniProt: [P06729](#)

Application Details

Application Notes: Positive Control: MOLT-4, 293T or Jurkat cells. Lymph node and tonsil.
Known Application: Functional Studies (Order Ab without Azide), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (0.5-1 µg/mL), .Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

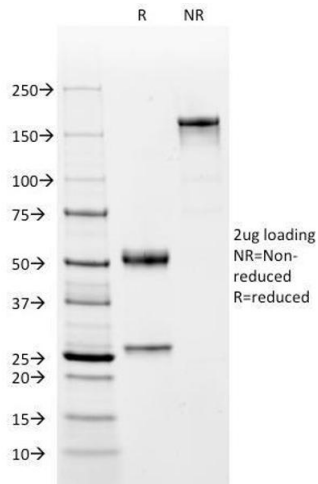
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

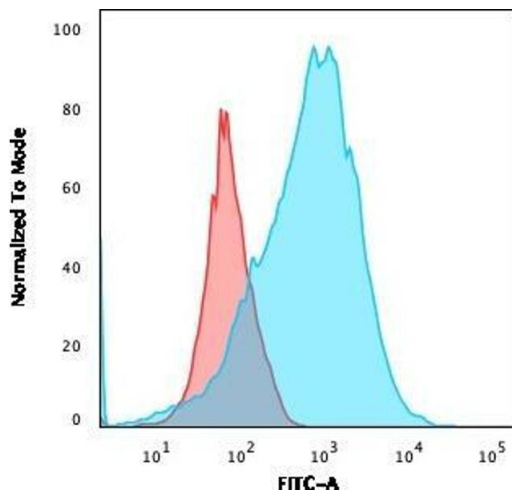
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



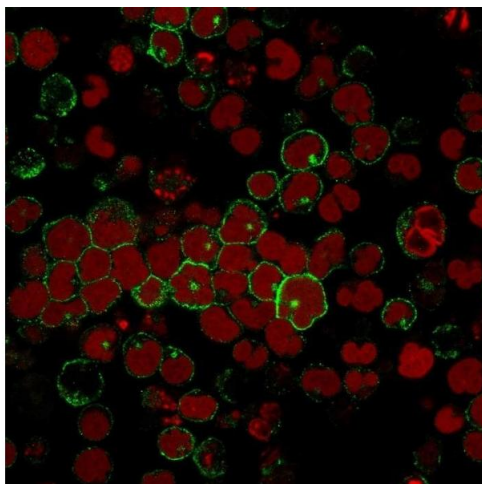
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD2 Mouse Monoclonal Antibody (BH1). Confirmation of Integrity and Purity of Antibody.



Flow Cytometry

Image 2. Flow Cytometric Analysis of MOLT-4 cells using CD2 Mouse Monoclonal Antibody (BH1) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunofluorescence

Image 3. Immunofluorescence staining of MOLT-4 cells using CD2 Mouse Monoclonal Antibody (BH1) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.