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CD2 Antibody [Clone BH1]
Purified Mouse Monoclonal Antibody
Catalog # AH10080

Specification

CD2 Antibody [Clone BH1] - Product Information

Application	**FC**
Primary Accession	P06729
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b, kappa**
Calculated MW	**50kDa KDa**

CD2 Antibody [Clone BH1] - Additional Information

Gene ID 914

Other Names
T-cell surface antigen CD2, Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor, T-cell surface antigen T11/Leu-5, CD2, CD2, SRBC

Target/Specificity
Human CD2 protein

Format
0.5 ml at 100ug/ml; Conjugated to AF488

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
CD2 Antibody [Clone BH1] is for research use only and not for use in diagnostic or therapeutic procedures.

CD2 Antibody [Clone BH1] - Protein Information

Name CD2

Synonyms SRBC

Function
CD2 interacts with lymphocyte function-associated antigen CD58 (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Expressed in natural killer cells (at protein level).

CD2 Antibody [Clone BH1] - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD2 Antibody [Clone BH1] - Images

CD2 Antibody [Clone BH1] - 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 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.

CD2 Antibody [Clone BH1] - References

1. Wang MY et. al. An effective immuno-magnetic method for bone marrow purging in T cell malignancies. Bone Marrow Transplant. 1992;9(5):319-23.