

Rabbit CD2 Polyclonal Antibody | anti-CD2 antibody

Anti-CD2 Antibody

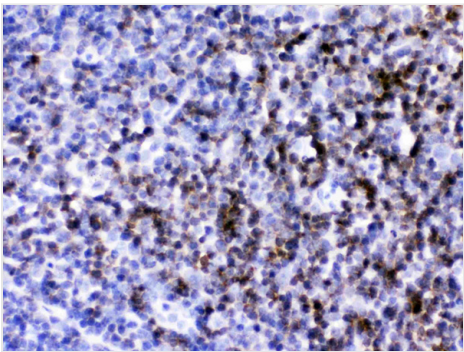
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46605	Rabbit	Mouse No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

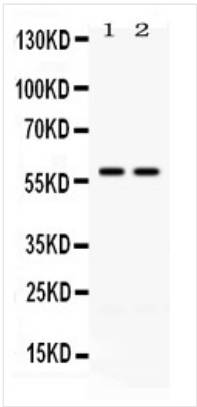
CD2; Polyclonal Antibody; Anti-CD2 Antibody; CD2 antigen; CD2 molecule; LFA2; LFA-2; Rosette receptor; SRBC; T cell surface antigen CD2; T11; Tcell surface antigen CD2; T-cell surface antigen CD2; T-cell surface antigen T11; P08920 ; anti-CD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	344
Applicable Applications for anti-CD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived mouse CD2 recombinant protein (Position: R23-S203). Mouse CD2 shares 49.7% and 73.3% amino acid (aa) sequence identity with human and rat CD2, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohiostchemistry)
CD2 was detected in paraffin-embedded sections of mouse lymphaden tissues using rabbit anti- CD2 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of CD2 expression in mouse cardiac muscle extract (lane 1) and HEPA whole cell lysates (lane 2). CD2 at 58KD was detected using rabbit anti- CD2 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CD2 antibody	Rabbit IgG polyclonal antibody for T-cell surface antigen CD2 (CD2) detection. Background: CD2 (cluster of differentiation 2) is a cell adhesion molecule found on the surface of T cells and natural killer (NK) cells. It has also been called T-cell surface antigen T11/Leu-5, LFA-2, LFA-3 receptor, erythrocyte receptor and rosette receptor. Monoclonal antibodies directed against CD2 inhibit the formation of rosettes with sheep erythrocytes, indicating that CD2 is the erythrocyte receptor or is closely associated with it. CD2 is one of the earliest T-cell markers, being present on more than 95% of thymocytes. Due to its structural characteristics, CD2 is a member of the immunoglobulin superfamily; it possesses two immunoglobulin-like domains in its extracellular portion. The localization of CD2 to 1p13 is established by in situ hybridization. CD2 interacts with other adhesion molecules, such as lymphocyte function-associated antigen-3 (LFA-3/CD58) in humans, or CD48 in rodents, which are expressed on the surfaces of other cells. With the use of transgenic mice, such an LCR is identified within the 3-prime flanking region of the human CD2 gene.
References	1. Brown, M. H., Gorman, P. A., Sewell, W. A., Spurr, N. K., Sheer, D., Crumpton, M. J. The gene coding for the human T-lymphocyte CD2 antigen is located on chromosome 1p. Hum. Genet. 76: 191-195, 1987. 2. Clayton, L. K., Ramachandran, H., Pravtcheva, D., Chen, Y.-F., Diamond, D. J., Ruddle, F. H., Reinherz, E. L. The gene for T11 (CD2) maps to chromosome 1 in humans and to chromosome 3 in mice. J. Immun. 140: 3617-3621, 1988. 3. Kingsmore, S. F., Watson, M. L., Moseley, W. S., Seldin, M. F. Physical linkage of genes encoding the lymphocyte adhesion molecules CD2 and its ligand LFA-3. Immunogenetics 30: 123-125, 1989.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7304949
NCBI GeneID	12481
NCBI Accession #	NP_038514.1
NCBI GenBank Nucleotide #	NM_013486.2
UniProt Accession #	P08920; Q61394
Molecular Weight	38,415 Da
NCBI Official Full Name	T-cell surface antigen CD2
NCBI Official Synonym Full Names	CD2 antigen
NCBI Official Symbol	Cd2
NCBI Official Synonym Symbols	Ly37; LFA-2; Ly-37

NCBI Protein Information	T-cell surface antigen CD2
UniProt Protein Name	T-cell surface antigen CD2
UniProt Gene Name	Cd2
UniProt Synonym Gene Names	Ly-37; Ly-37
UniProt Entry Name	CD2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd2-antibody-immunohistochemistry-western-blot-elisa/46605>