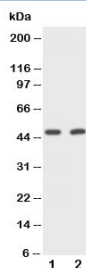


## CD2 Antibody (R30833)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R30833      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                        |
| <b>Species Reactivity</b> | Mouse, Rat                                                               |
| <b>Format</b>             | Antigen affinity purified                                                |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                               |
| <b>Isotype</b>            | Rabbit IgG                                                               |
| <b>Purity</b>             | Antigen affinity                                                         |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal |
| <b>UniProt</b>            | P08920                                                                   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                                |
| <b>Limitations</b>        | This CD2 antibody is available for research use only.                    |



Western blot testing of CD2 antibody and Lane 1: rat spleen; 2: mouse NIH3T3 cell lysate

## Description

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 the protein is the erythrocyte receptor or is closely associated with it. It is one of the earliest T-cell markers, being present on more than 95% of thymocytes; it is also found on some natural killer cells but not on B lymphocytes. Due to its structural characteristics, CD2 is a member of the immunoglobulin superfamily; it possesses two immunoglobulin-like domains in its extracellular portion. 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 was identified within the 3-prime flanking region of the human gene.

## **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the CD2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

An amino acid sequence from the middle region of mouse CD2 (FIFCICKRRKRNRRRKDEE) was used as the immunogen for this CD2 antibody.

## **Storage**

After reconstitution, the CD2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.