

#### CD2/SRBC

Catalog # PVGS1898

## **Specification**

## **CD2/SRBC - Product Information**

Primary Accession **Species**Mouse

P08920

**Sequence** 

Arg23-Ser203

**Purity** 

> 95% as determined by Bis-Tris PAGE<br/>> > 95% as determined by HPLC

**Endotoxin Level** 

Less than 1EU per µg by the LAL method.

**Expression System** 

**HEK293** 

**Theoretical Molecular Weight** 

22.32 kDa

Formulation Lyophilized from a 0.22 μm filtered solution in PBS<sub>□</sub>(pH 7.4).

### Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100  $\mu$ g/ml is recommended. Dissolve the lyophilized protein in distilled water.

# Storage & Stability

Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

#### **CD2/SRBC - Additional Information**

Gene ID 12481

#### **Other Names**

T-cell surface antigen CD2, LFA-2, LFA-3 receptor, Lymphocyte antigen 37, Ly-37, T-cell surface antigen T11/Leu-5, CD2, Cd2, Ly-37

### **Target Background**

The CD2 family of receptors is evolutionarily conserved and widely expressed on cells within the hematopoietic compartment. In recent years several new members have been identified with important roles in the immune system. CD2 family members regulate natural killer (NK) cell lytic activity and inflammatory cytokine production when engaged by ligands on tumor cells.



## **CD2/SRBC - Protein Information**

Name Cd2

Synonyms Ly-37

### **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**

Detected in thymus and spleen.

### **CD2/SRBC - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD2/SRBC - Images