

**CD2/SRBC**  
**Catalog # PVGS1883****Specification**

---

**CD2/SRBC - Product Information**

Primary Accession [P06729](#)  
**Species**  
Human

**Sequence**  
Lys25-Asp209

**Purity**  
> 95% as determined by Bis-Tris PAGE  
> 95% as determined by SEC-HPLC

**Endotoxin Level**  
Less than 1EU per µg by the LAL method.

**Biological Activity**  
Measured by its binding ability in a functional ELISA. Immobilized CD2/SRBC, His, Human at 2 µg/ml (100 µl/well) on the plate can bind Human CD58, hFc Tag. Test result was comparable to standard batch.

**Expression System**  
HEK293

**Theoretical Molecular Weight**  
22.3 kDa

Formulation **Lyophilized from a 0.22 µm filtered solution in PBS (pH 7.4).**

**Reconstitution**  
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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** 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 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** 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/SRBC - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **CD2/SRBC - Images**