

CD2/SRBC

Catalog # PVGS1883

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 g by the LAL method.

Biological Activity Measured by its binding ability in a functional ELISA. Immobilized CD2/SRBC,

His, Human at 2 [g/ml (100 []/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 Im filtered solution in PBS , (pH 7.4).

Reconstitution Centrifuge the tube before opening. Reconstituting to a concentration more

than 100 ½/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.

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.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.