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CD2/SRBC

Catalog # PVGS1868

Product Information

Primary Accession	Q6SZ61
Species	Cynomolgus
Sequence	Lys25-Asp209
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by 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, Cynomolgus at 1 □g/ml (100 □l/well) on the plate can bind Human CD58, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	22.49 kDa
Formulation	Lyophilized from a 0.22 □m filtered solution in PBS，(pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 □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.

Additional Information

Other Names	T-cell surface antigen CD2, CD2, CD2
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
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 (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P06729}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P06729}

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