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32-3447: CD2 Recombinant Protein

Alternative Name : T-cell surface antigen CD2,T-cell surface antigen T11/Leu-5,LFA-2,LFA-3 receptor,Erythrocyte receptor,Rosette receptor,CD2 antigen,CD2,T11,SRBC.

Description

Source : Escherichia Coli. CD2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 209 amino acids (25-209 a.a) and having a molecular mass of 23.8kDa.CD2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CD2 which is also known as E-rosette receptor, T11 and lymphocytefunction antigen-2 (LFA-2) is expressed on T cells, thymocytes, and subset of natural killer cells. Human CD2 functions as the receptor for sheep erythrocytes, human CD58 (LFA-3), and CD15s (Sialyl Lewis X). p56lck, p59fyn, CD3eta and CD3epsilon are tyrosine-phosphorylated after CD2 stimulation. CD2 plays a role in T cell activation, T- or NK-cell-mediated cytolysis, apoptosis in activated peripheral T cells, and regulation of T cell anergy.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	CD2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMKEITNA LETWGALGQD INLDIPSFQM SDDIDDIKWE KTSDKKKIAQ FRKEKETFKE KDTYKLFKNG TLKIKHLKTD DQDIYKVSIY DTKGKNVLEK IFDLKIQERV SKPKISWTCI NTTLTCEVMN GTDPELNLYQ DGKHLKLSQR VITHKWTTSLSAKFKCTAGN KVSKESSVEP VSCPEKGLD.

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