

32-13073: CD2 Human, Sf9

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: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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 energy.

CD2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 194 amino acids (25-209a.a.) and having a molecular mass of 22.3kDa (Molecular size on SDS-PAGE will appear at approximately 28-40 kDa). CD2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : CD2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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 : ADPKEITNAL ETWGALGQDI NLDIPSFQMS DDIDDIKWEK TSDKCKIAQF RKEKETFK EK DTYKLFKNGT LKIKHLKTDD QDIYKVSIDY TKGKNVLEKI FDLKIQERVS KPKISWTCIN TTLTCEVMNG TDPENLYQD GKHLKLSQRV ITHKWTTSL S AKFKCTAGNK VSKESSVEPVSCPEKGLDHH HHHH.