

**CD2, 25-209aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP01485**

3th Edition

**Synonyms:**T-cell surface antigen CD2, CD2, LFA-2, SRBC, T11

**Description:**CD2, also known as T-cell surface antigen CD2, is a cell adhesion molecule found on the surface of T cells and natural killer (NK) cells. It interacts with other adhesion molecules, such as lymphocyte function-associated antigen-3 (LFA-3/CD58) in humans, or CD48 in rodents. CD2 is a specific marker for T cells and NK cells. The great majority of T cell lymphomas and leukaemias also express CD2, making it possible to use the presence of the antigen to distinguish these conditions from B cell neoplasms. Recombinant human CD2 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**22.3kDa (194aa), 28-40kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPKEITNALETWGALGQDINLDIPSFQMSDDIDDIKWEKTSKDKKIAQFRKEKETFKDKDYKLFKNGTLKIKHLKTD  
DQDIYKVSIDYDTKGKNVLEKIFDLKIQERVSKPKISWTCINTTLTCEVMNGTDPELNLYQDGKHLKLSQRVITHKWTTT  
LSAKFKCTAGNKVSKESSVEPVSCPEKGLDHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.