

**CD7, 26-180aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP01529**

3th Edition

**Synonyms:**T-cell antigen CD7, CD7, GP40, LEU-9, Tp40, TP41

**Description:**CD7, also known as T-cell antigen CD7, is glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily. It is expressed on T cells, NK cells, myeloid progenitor cells, and CD19+ B progenitor cells. Among CD8+ T cells, the CD7-bright population preferentially contains naive and memory cells, while more weak expressors are primarily effector cells. Recombinant human CD7 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:**17.5kDa (645aa), 18-28KDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADLAQEVQQSPHCTTVPGASVNITCSTSGGLRGIYLRQLGPQPQDIYYEDGVVPTTDRRFRGRIDFSGSQDNLT  
TMHRLQLSDTGTYTCQAITEVNVYSGTLVLVTEEQSQGWHRCS DAPPRASALPAPPTGSALPDPQTASALPDPP  
AASALPHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**1.0mg/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.