

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:

ADLAQEVQQSPHCTTVPVGASVNITCSTSGGLRGIYLRQLGPQPQDIYYEDGVVPTTDRRFRGRIDFSGSQDNLT
TMHRLQLSDTGTYTCQAITEVNVYGSGLVLTVEEQSQGWHRCS 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.