

CD4, 26-396A18:A24aa, Human, His tag, Baculovirus

Cat.NO.: TP01512

3th Edition

Synonyms:T-cell surface glycoprotein CD4, CD4, CD4mut.

Description:CD4, also known as T-cell surface glycoprotein CD4, is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. It interacts directly with MHC class II molecules on the surface of the antigen presenting cell via its extracellular domain. It is a co-receptor that assists the T cell receptor (TCR) to activate its T cell following an interaction with an antigen presenting cell. Recombinant human CD4, 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:42.1kDa (377aa); 40-57kDa (SDS-PAGE under reducing conditions)

Sequences:

KKVVLGKKGDTVELTCTASQKKSIFHWKNSNQIKILGNQGSFLT KGPSKLNDRADSRRLWDQGNFPLIIKNLKIE
DSDTYICEVEDQKEEVQLLVFGLTANS DTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTL SVSQLELQD
SGTWTCTVLQNQKKVEFKIDIVVLA FQKASSIVYKKEGEQVEFSFPLAFTVEKLTGSGELWWQAERASSSKSWITFD
LKNKEVSVKRVTQDPKLQMGKKLPLHL TLPQALPQYAGSGNLTALAEAKTGKLHQEVNLVVMRATQLQKNLTCEV
WGPTSPKLMLSLKLENKEAKVSKREKAVVVLNPEAGMWQCLLSDSGQVLLESNIKVLPTWSTPVQPHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/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.