

CD46, 35-313aa, Human, His-tag, Baculovirus

Cat.NO.: TP01518

3th Edition

Synonyms:Membrane cofactor protein isoform 14, CD46, AHUS2, MCP, MIC10, TLX, TRA2.10

Description:CD46, also known as membrane cofactor protein isoform 14, is a type 1 membrane protein that plays an important inhibitory role in the complement system. It is expressed in white blood cells, platelets, epithelial cells, and fibroblasts. The importance of CD46 to complement regulation is underscored by the observation that genetic loss of CD46 leads to development of atypical hemolytic-uremic syndrome, a disease characterized by uncontrolled complement activation. Recombinant human CD46, 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:32.5kDa (288aa), 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

ADLCEEPPTFEAMELIGKPKPYEIGERVDYKCKKGYFYIPPLATHTICDRNHTWLPVSDDACYRETCPIYIRDPLNG
QAVPANGTYEFGYQMHFICNEGYYLIGEEILYCELKGSVAIWSGKPPICEKVLCTPPPKIKNGKHTFSEVEVFEYLDA
VTYSCDPAPGPDPSLIGESTIYCGDNSVWSRAAPECKVVKCRFPVVENGKQISGFGKKFYKATVMFECDKGFYL
DGSDTIVCDSNSTWDPPVPKCLKGPRPTYKPPVSNYPGYPKPEEGILDSLDHHHHHH

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.