

Recombinant Human CD55/DAF Protein(C-6His)

Cat.NO.: TP04848

3th Edition

Synonyms: Complement Decay-Accelerating factor; CD55; CR; DAF

Description: CD55 is a member of the RCA (regulators of complement activation) family. RCA proteins is characterized by the presence of four to 30 SCRs (short consensus repeats also called CCPs for control protein modules) in their plasmaexposed regions. CD55 containing four SCR modules is involved in the regulation of the complement cascade. CD55 is known to bind CD97 via the first SCR. It also binds physiologically generated C3 convertases with its second and third SCRs. Binding results in an accelerated "decay", or dissociation of active C3 convertases, thus blocking the development of C' attack complexes on nonforeign cells. It is known that viruses and bacteria also utilize multiple SCR sites for infection.

Form: PBS

Molecular Weight: 36.0 kDa

Sequences: Asp35-Ser353

Purity: > 95% by HPLC

Concentration:

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.