

Serum Amyloid A, 19-122 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03908

3th Edition

Synonyms:SAA1, PIG4, TP53I4

Description:Serum amyloid A1(SAA1) protein is made primarily in the liver and circulates in low levels in the blood. This protein appears to play a role in the immune system. Levels of this protein increase in the blood and other tissues under conditions of inflammation. SAA1 may help repair damaged tissues, acts as an antibacterial agent, and signal the migration of germ-fighting cells to sites of infection. Elevated levels of SAA over time predispose secondary amyloidosis, extracellular accumulation of amyloid fibrils, derived from a circulating precursor, in various tissues and organs. The most common form of amyloidosis occurs secondary to chronic inflammatory disease, particularly rheumatoid arthritis. Recombinant Serum amyloid A protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol.

Molecular Weight:13.9 kDa (125aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMRSFFSFLGEAFDGARDMWRAYSDMREANYIGSDKYFHARGNYDAAKRGPGG
VWAAEAISDARENIQRFFGHGAEDSLADQAANEWGRSGKDPNHFRPAGLPEKY

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.