

Recombinant Rhesus Macaque Serum Amyloid A1

Catalog No: #AP60328

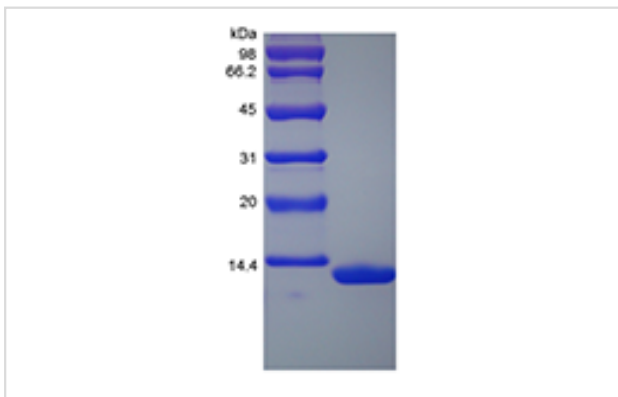
Package Size: #AP60328-1 10ug #AP60328-2 100ug #AP60328-3 500ug

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Description

Product Name	Recombinant Rhesus Macaque Serum Amyloid A1
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	Amyloid fibril protein AA
Calculated MW	Approximately 11.7 kDa, a single non-glycosylated polypeptide chain containing 104 amino acids.
Target Sequence	RSWFSFLGEA YDGARDMWRA YSDMKEANYK NSDKYFHARG NYDAAQRGPG GVWAAEVID ARENIQKLLG RGAEDTLADQ AANEWGRSGK DPNHFRPAGL PEKY
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> -□ A minimum of 12 months from date of receipt, when stored at &le;-20 °C as supplied. -□ 1 month, 2 to 8 °C under sterile conditions after reconstitution. -□ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Serum Amyloid A protein-1 belongs to the SAA family of apolipoproteins that circulates in association with high-density lipoproteins (HDL). It is a multifunctional protein produced by hepatocytes in response to pro-inflammatory cytokines. SAA1 is a ligand for CD36/SR-B3, SR-B1, FPRL1, TLR2, and RAGE on monocytes/macrophages, inducing chemotaxis and generation of cytokines and tissue factor. It also can bind the surface of invading gram-negative bacteria, acting as an opsonin to aid clearance by macrophages. Additionally, SAA1 binds platelets, probably by engaging fibrinogen on the platelet surface.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.