Mouse ANXA1 Protein

Cat. No. ANX-ME1A1

Description

Source	Recombinant Mouse ANXA1 Protein is expressed from E.coli with His tag at the C-Terminus.
	It contains Met1-Asn346.
Accession	P10107
Molecular Weight	The protein has a predicted MW of 39.6 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

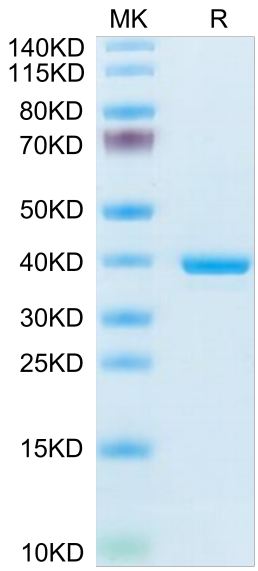
Formulation	Lyophilized from 0.22μm filtered solution in 20mM Tris, 150mM NaCl (pH 8.2). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Atherosclerosis, characterized by the formation of fat-laden plaques, is a chronic inflammatory disease. ABCA1 promotes cholesterol efflux, reduces cellular cholesterol accumulation, and regulates anti-inflammatory activities in an apoA-I- or ANXA1-dependent manner. The latter activity occurs by mediating the efflux of ANXA1, which plays a critical role in anti-inflammatory effects, cholesterol transport, exosome and microparticle secretion, and apoptotic cell clearance.

Assay Data

Bis-Tris PAGE



Mouse ANXA1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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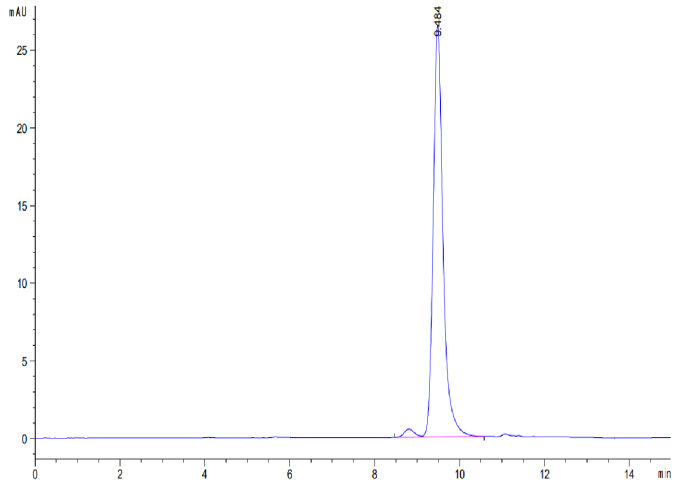

The purity of Mouse ANXA1 is greater than 95% as determined by SEC-HPLC.