Human Pentraxin 2/SAP Protein

Cat. No. SAP-HM201

Description

Source	Recombinant Human Pentraxin 2/SAP Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains His20-Val223.
Accession	P02743
Molecular Weight	The protein has a predicted MW of 50 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

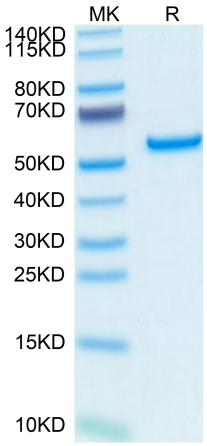
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Pentraxin-2 (PTX-2), also known as serum amyloid P component (SAP/APCS), is a constitutive, antiinflammatory, innate immune plasma protein whose circulating level is decreased in chronic human fibrotic recombinant human PTX-2 (rhPTX-2) retards progression of chronic kidney disease in Col4a3 mutant mice with Alport syndrome, reducing blood markers of kidney failure, enhancing lifespan by 20%, and improving histological signs of disease. diseases.

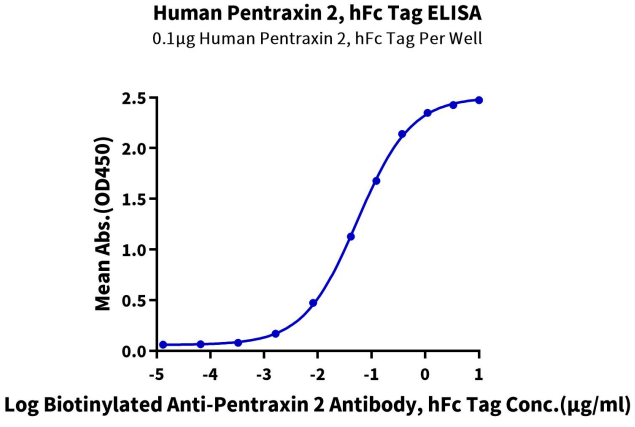
Assay Data

Bis-Tris PAGE



Human Pentraxin 2/SAP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human Pentraxin 2, hFc Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Anti-Pentraxin 2 Antibody, hFc Tag with the EC50 54.5ng/ml determined by ELISA.