antibodies

Datasheet for ABIN7273808 alpha Fetoprotein Protein (AA 19-609) (His tag)





Overview

Quantity:	100 µg
Target:	alpha Fetoprotein (AFP)
Protein Characteristics:	AA 19-609
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha Fetoprotein protein is labelled with His tag.

Product Details

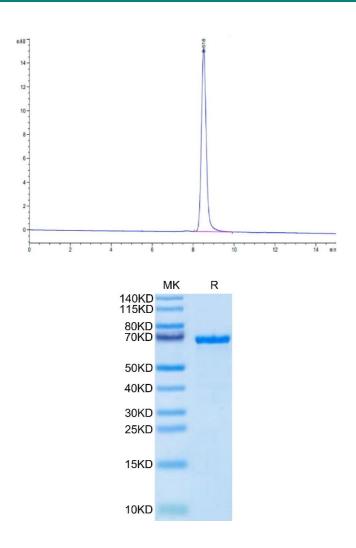
Purpose:	Cynomolgus AFP Protein
Sequence:	Arg19-Val609
Characteristics:	Recombinant Cynomolgus AFP Protein is expressed from HEK293 with His tag at the C- Terminus.It contains Arg19-Val609.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	alpha Fetoprotein (AFP)
Alternative Name:	AFP (AFP Products)

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Background:	Alpha-fetoprotein is a shuttle protein that delivers nutrients through receptor-mediated
	endocytosis to embryotic cells. In adults, alpha-fetoprotein can shuttle drugs into alpha-
	fetoprotein receptor-positive myeloid-derived suppressor, regenerating and also cancer cells.
	Drugs with high-binding affinity to alpha-fetoprotein can activate or deplete targeted cells.
	Myeloid-derived suppressor cells activation leads to immune suppression that can be used for
	treating autoimmune diseases.
Molecular Weight:	67.53 kDa. Due to glycosylation, the protein migrates to 68-75 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5U7U0
Pathways:	C21-Steroid Hormone Metabolic Process
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is
	recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as
	protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Cynomolgus AFP is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 2. Cynomolgus AFP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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