Datasheet for ABIN7504297

CEACAM7 Protein (AA 36-242) (His tag)

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Overview

Quantity:	100 µg
Target:	CEACAM7
Protein Characteristics:	AA 36-242
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM7 protein is labelled with His tag.

Product Details

Purpose:	Human CEACAM-7 Protein
Sequence:	Thr36-Ser242
Characteristics:	Recombinant Human CEACAM-7 Protein is expressed from HEK293 with His tag at the C-terminus.It contains Thr36-Ser242.
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:	CEACAM7
Alternative Name:	CEACAM-7 (CEACAM7 Products)

Target Details

Background:	Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) belong to a group of mammalian immunoglobulin-related glycoproteins. They are involved in cell-cell recognition and modulate cellular processes that range from the shaping of tissue architecture and neovascularization to the regulation of insulin homeostasis and T-cell proliferation. CEACAM7 (CGM2), a member of the CEA family of proteins with expression restricted to the colon and pancreas, as a potential CAR T-cell target for PDAC.
Molecular Weight:	24.45 kDa. Due to glycosylation, the protein migrates to 45-65 kDa based on Tris-Bis PAGE result.

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 0.22 µm 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