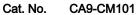
Cynomolgus CA9/Carbonic Anhydrase IX Protein



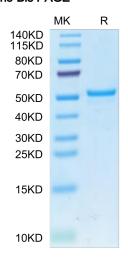


Description	
Description	
Source Recombination Terminus.	ant Cynomolgus CA9/Carbonic Anhydrase IX Protein is expressed from HEK293 with His tag at the C-
It contains	Gln38-Asp402.
Accession A0A2K5V0	QG9
Molecular The protein Weight Tris-Bis PA	n has a predicted MW of 41.03 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on AGE result.
Endotoxin Less than	1EU per μg by the LAL method.
Purity > 95% as o	letermined by Tris-Bis PAGE
	determined by HPLC
Formulation and Storage	
Formulation Lyophilized lyophilization	from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before on.
Reconstitution	the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. e lyophilized protein in distilled water.
Storage days after	C for 12 months as supplied from date of receipt80°C for 3-6 months after reconstitution.2-8°C for 2-7 reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please eeze-thaw cycles.
Background	

CA9 is a member of the carbonic anhydrases' family, that is often expressed in cancer cells under hypoxic condition. CA9 expression potentially contributes to the regulation of cancer cell differentiation and mediates tumour-associated genes and signalling pathways, including apoptosis, hypoxia, G2M checkpoint, PI3K/AKR/mTOR signalling and TGF-beta signalling pathways.

Assay Data

Tris-Bis PAGE

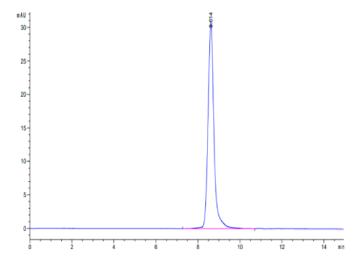


Cynomolgus CA9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

KAGTUS

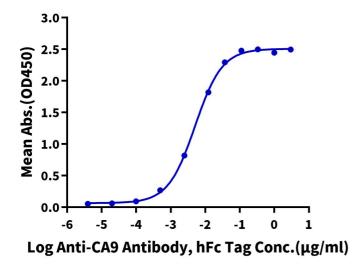
Assay Data



The purity of Cynomolgus CA9 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus CA9, His Tag ELISA 0.05µg Cynomolgus CA9, His Tag Per Well



Immobilized Cynomolgus CA9, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CA9 Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA.

Bioactivity Data

Measured by its esterase activity. The specific activity is > 55 pmol/min/ μg .