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Anti-CCN2 / CTGF Reference Antibody (pamrevlumab)

Recombinant Antibody
Catalog # APR10017

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P29279
Reactivity	Human, Mouse, Rat, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	38091

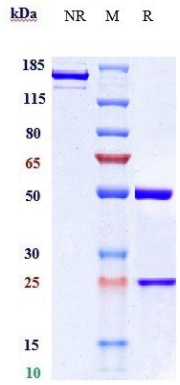
Additional Information

Target/Specificity	CCN2 / CTGF
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

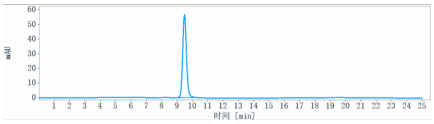
Protein Information

Name	CCN2 (HGNC:2500)
Function	Major connective tissue mitoattractant secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Is involved in the stimulation of osteoblast differentiation and has a critical role in osteogenesis (PubMed:39414788). Mediates heparin- and divalent cation-dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor- induced DNA synthesis.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P29268}. Secreted
Tissue Location	Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.

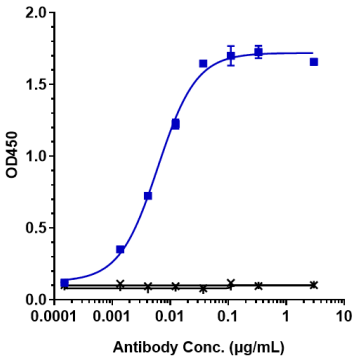
Images



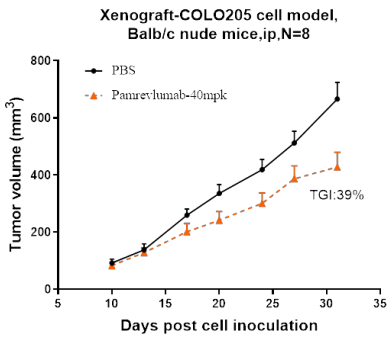
Anti-CCN2 / CTGF Reference Antibody (pamrevlumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-CCN2 / CTGF Reference Antibody (pamrevlumab)is more than 100% ,determined by SEC-HPLC.



Immobilized human CTGF His at 2 μg/mL can bind Anti-CCN2 / CTGF Reference Antibody (pamrevlumab),EC50=0.006105 μg/mL.



Pamrevlumab inhibited the tumor growth of COLO205 on Balb/c nude mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 39% at 40 mpk at D31.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.