

Anti-MMP9 Reference Antibody (andecaliximab)

Recombinant Antibody

Catalog # APR10230

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P14780
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG4
Calculated MW	78458

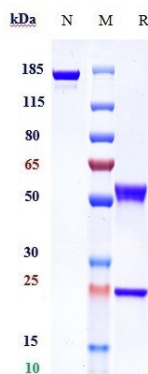
Additional Information

Target/Specificity	MMP9
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.

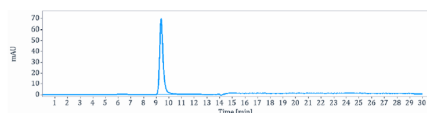
Protein Information

Name	MMP9
Synonyms	CLG4B
Function	Matrix metalloproteinase that plays an essential role in local proteolysis of the extracellular matrix and in leukocyte migration (PubMed: 12879005 , PubMed: 1480034 , PubMed: 2551898). Could play a role in bone osteoclastic resorption (By similarity). Cleaves KiSS1 at a Gly- -Leu bond (PubMed: 12879005). Cleaves NINJ1 to generate the Secreted ninjurin-1 form (PubMed: 32883094). Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N- terminal one quarter fragments (PubMed: 1480034). Degrades fibronectin but not laminin or Pz-peptide.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Detected in neutrophils (at protein level) (PubMed:7683678). Produced by normal alveolar macrophages and granulocytes.

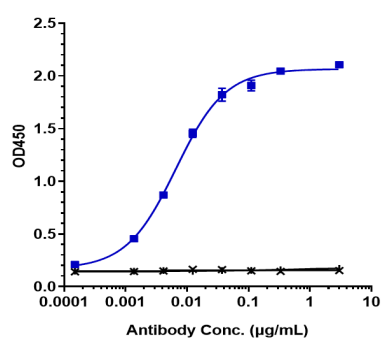
Images



Anti-MMP9 Reference Antibody (andecaliximab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-MMP9 Reference Antibody (andecaliximab) is more than 95% ,determined by SEC-HPLC.



Immobilized human MMP9 His at 2 µg/mL can bind Anti-MMP9 Reference Antibody (andecaliximab), $EC_{50}=0.006577$ µg/mL

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