

Anti-MMP-16 Reference Antibody (Abbvie patent anti-MMP-16)

Catalog # APR11496

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P51512
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-CS-noK
Calculated MW	69521

Additional Information

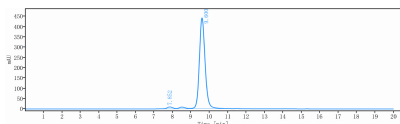
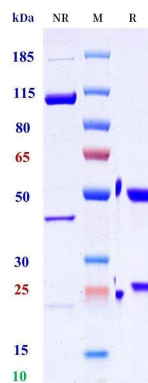
Target/Specificity	MMP-16
Expression system	CHO

Protein Information

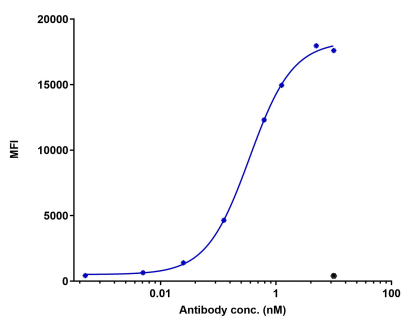
Name	MMP16 (HGNC:7162)
Function	Endopeptidase that degrades various components of the extracellular matrix, such as collagen type III and fibronectin. Activates progelatinase A. Involved in the matrix remodeling of blood vessels. Isoform short cleaves fibronectin and also collagen type III, but at lower rate. It has no effect on type I, II, IV and V collagen. However, upon interaction with CSPG4, it may be involved in degradation and invasion of type I collagen by melanoma cells.
Cellular Location	[Isoform Long]: Cell membrane; Single-pass type I membrane protein; Extracellular side. Note=Localized at the cell surface of melanoma cells
Tissue Location	Expressed in heart, brain, placenta, ovary and small intestine. Isoform Short is found in the ovary

Images

Anti-MMP-16 Reference Antibody (Abbvie patent anti-MMP-16) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-MMP-16 Reference Antibody (Abbvie patent anti-MMP-16) is 98.1%, determined by SEC-HPLC.



PLVX-puro-MMP-16-FL cell line were stained with Abbvie patent anti-MMP-16 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.432 nM.

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