

For Research Use Only

# MMP-9 Recombinant antibody, PBS Only (Detector)

Catalog Number: 82685-16-PBS



## Basic Information

Catalog Number:

82685-16-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC006093

GeneID (NCBI):

4318

UNIPROT ID:

P14780

Full Name:

matrix metalloproteinase 9  
(gelatinase B, 92kDa gelatinase,  
92kDa type IV collagenase)

Calculated MW:

707 aa, 78 kDa

Purification Method:

Protein A purification

CloneNo.:

241224B5

## Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA,  
Sample test

Species Specificity:

human

## Background Information

### Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

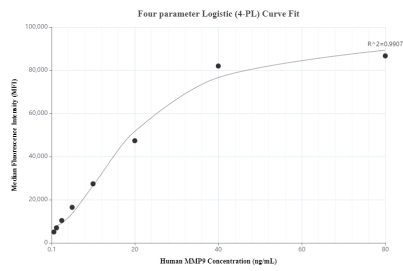
T: 4006900926

E: Proteintech-CN@ptglab.com

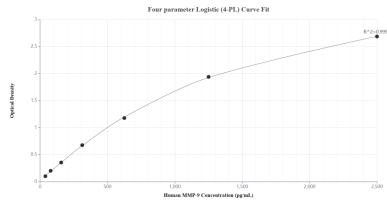
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

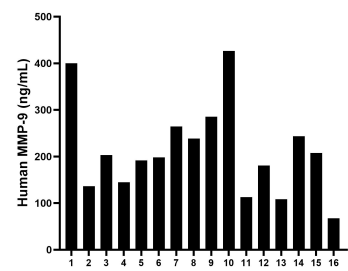
Selected Validation Data



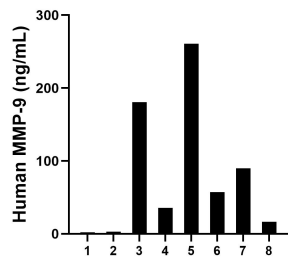
Cytometric bead array standard curve of MP01003-2, MMP-9 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82685-18-PBS. Detection antibody: 82685-16-PBS. Standard: Eg0442. Range: 0.625-80 ng/mL



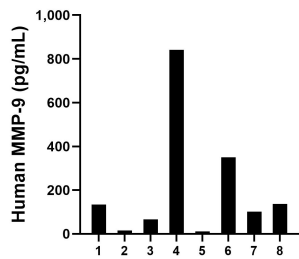
Sandwich ELISA standard curve of MP01003-2, Human MMP-9 Recombinant Matched Antibody Pair - PBS only. 82685-18-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0442. 82685-16-PBS was HRP conjugated as the detection antibody. Range: 39-2500 pg/mL



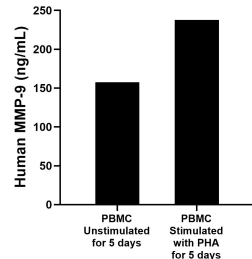
Serum of sixteen individual healthy human donors was measured. The MMP-9 concentration of detected samples was determined to be 213.0 ng/mL with a range of 67.5 - 426.4 ng/mL



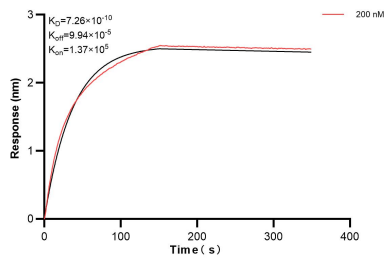
Saliva of eight individual healthy human donors was measured. The MMP-9 concentration of detected samples was determined to be 80.7 ng/mL with a range of 1.9 - 260.9 ng/mL



Urine of eight individual healthy human donors was measured. The MMP-9 concentration of detected samples was determined to be 207.3 pg/mL with a range of 11.4 - 841.8 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10  $\mu$ g/mL PHA for 5 days. The mean MMP-9 concentration was determined to be 157.3 ng/mL in unstimulated PBMC supernatant, 237.9 ng/mL in PHA stimulated PBMC supernatant.



Biolayer interferometry (BLI) kinetic assay of 82685-16-PBS against Human MMP-9 was performed. The affinity constant is 0.726 nM.