

## ABfinity™ MMP10 Recombinant Rabbit Oligoclonal Antibody

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Rev. 1.00

Catalog Number: 710312

Store at 2°C to 8°C (short-term), or -20°C (long-term)

**Clonality:** Oligoclonal  
**Concentration:** 0.5 mg/mL  
**Quantity:** 100 µg  
**Volume:** 200 µL

**Host/Class:** Rabbit IgG  
**Reactivity:** Human MMP10  
**Predicted Reactivity:** Human

### Product Description

MMP10 belongs to the matrix metalloproteinase family, and is generally secreted in its pro form, which is further modified by extracellular proteinases. As a metalloproteinase, MMP10 requires zinc and calcium as cofactors for activity. It is involved in the activation of pro-collagenase, catabolism of collagen, degradation of fibronectin, and tissue remodeling. In humans, the gene MMP10 located on chromosome 11.

### Product Specifications

**Immunogen:** Recombinant protein corresponding to amino acids 282–476 of human Matrix metalloproteinase 10  
**Alternate Names:** Stromelysin-2, SL-2, STMY-2  
**Apparent MW:** ~ 54 kDa  
**Gene ID:** 4319  
**Protein Accession No.:** P09238  
**Sequence Identity:** Human  
**Sequence Homology:** Mouse, Rat, Monkey, Rabbit  
**Clone/PAD:** 24HCLC  
**Lot:** See product label

### Product Applications

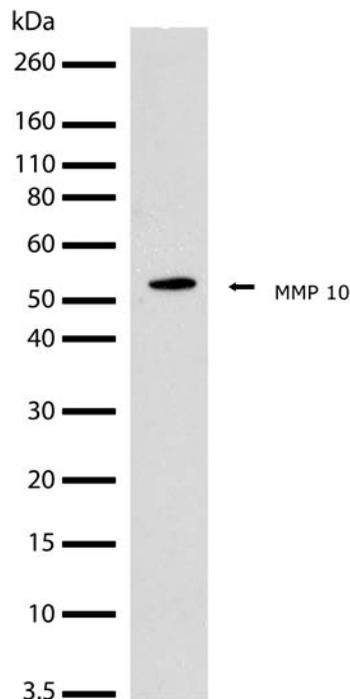
Application	Species	Test Material	Concentration
Western blotting	Human	Rat Pancreas	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5×10 <sup>-4</sup> to 3 µg/mL

### Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long-term storage. Avoid repeated freezing and thawing.

### Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.



**Figure 1** Western blot analysis of ABfinity™ MMP10 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710312).

Western blot analysis was performed on whole tissue extracts from rat pancreas. An endogenous level of MMP 10 at ~54 kDa was detected using ABfinity™ MMP10 Recombinant Rabbit Oligoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using enhanced chemiluminescence (ECL) method.

### Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

**Caution:** Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

**For research use only. Not for human or animal therapeutic or diagnostic use.**

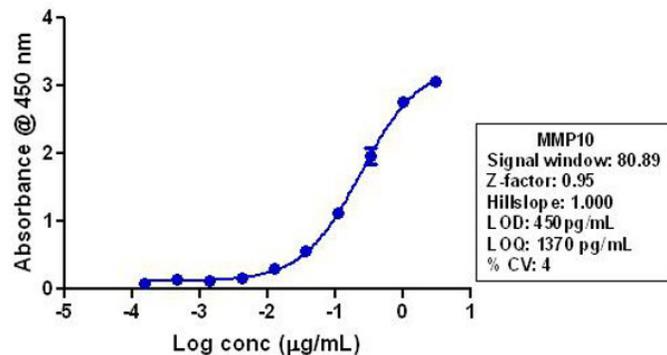
Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: [techsupport@lifetech.com](mailto:techsupport@lifetech.com)

## Product Documentation

To obtain a Certificate of Analysis or SDS, visit [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000



**Figure 2** Indirect ELISA of ABfinity™ MMP10 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710312).

Indirect ELISA was performed using various dilutions of ABfinity™ MMP10 Recombinant Rabbit Oligoclonal Antibody to detect MMP10 protein coated onto the plate. A non-linear regression analysis was performed (4 PL), and LOD and LOQ for the antibody was determined.

### Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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