

ABfinity™ MMP-3 Recombinant Rabbit Oligoclonal Antibody

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Rev. 1.00

Catalog Number: 710309

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 MMP-3
Predicted Reactivity: Human

Product Description

Matrix Metalloproteinase 3 (MMP-3) belongs to the peptidase M10A subfamily. It is secreted in its pro-protein form, and is activated by extracellular proteinase cleavage. MMP 3 is capable of binding to zinc and calcium ions, and has metallo-endopeptidase activity. The active enzyme degrades collagen, gelatin, fibronectin, and laminin. It is involved in normal cellular processes such as wound repair and tissue remodeling. In humans, the MMP 3 gene is located on chromosome 11.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 255–477 of human MMP-3
Alternate Names: Stromelysin-1
Apparent MW: 28 kDa
Gene ID: 4313
Protein Accession No.: P08254
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey, Rabbit
Clone/PAD: 45HCLC
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Jurkat, and MDAMB-231 cells	2–3 µg/mL
Indirect ELISA	Human	Protein	1.5 ×10 ⁻⁴ to 3 µg/mL

Stability

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

Storage and Handling

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

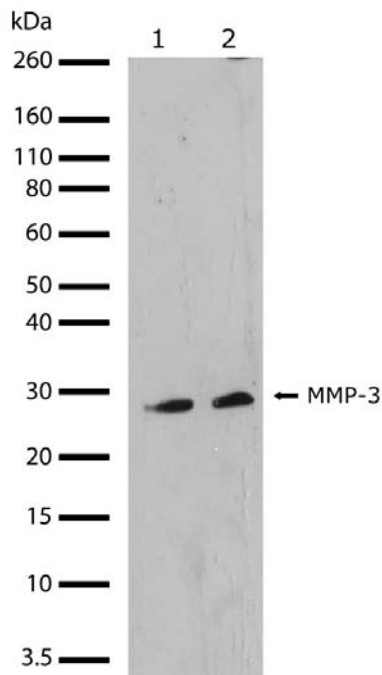


Figure 1 Western blot analysis of ABfinity™ MMP-3 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710309).

Western blot analysis was performed on whole cell extracts from Jurkat (**lane 1**) and MDAMB 231 cells (**lane 2**). Endogenous levels of MMP-3 was detected at ~28 kDa using ABfinity™ MMP-3 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.

For research use only. Not for use in diagnostic procedures.

Product Documentation

To obtain a Certificate of Analysis or SDS, visit 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

Limited Product Warranty

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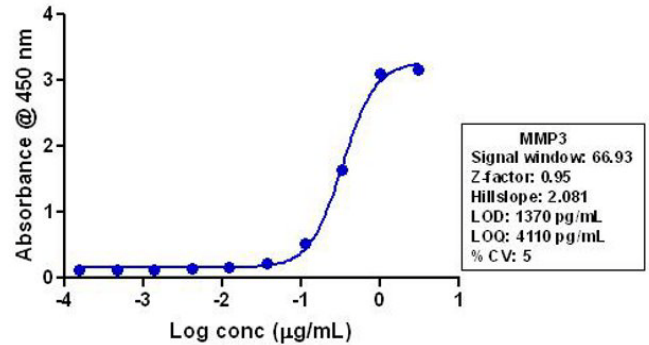


Figure 2 Indirect ELISA of ABfinity™ MMP-3 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710309).

Indirect ELISA was performed using various dilutions of ABfinity™ MMP-3 Recombinant Rabbit Oligoclonal Antibody to detect MMP-3 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	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Limited Use Label License No. 327: Recombinant Antibody Technology

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