

ABfinity™ MCP-2 Recombinant Rabbit Monoclonal Antibody

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

Catalog Number 701174

Pub. No. MAN0007530 Rev. 1.00

Clonality: Monoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Rabbit IgG	Reactivity: Human MCP-2	Predicted Reactivity: Human	

Product Description

MCP-2 (monocyte chemoattractant protein 2) belongs to the CC chemokine family. MCPs are chemotactic factor that attracts monocytes, lymphocytes, basophils and eosinophils. It is induced by IFN-gamma, mitogens, and IL1/interleukin-1. MCP-2 specifically attracts monocytes, but not neutrophils. High levels of MCP-2 are found in the small intestine, and peripheral blood cells. Intermediate levels are seen in the heart, placenta, lung, skeletal muscle, thymus, colon, ovary, spinal cord, and pancreas. Low levels are seen in the brain, liver, spleen, and prostate.

Product Specifications

Immunogen:	Folded protein domain corresponding to amino acids of Human MCP-2
Apparent MW:	~ 8.9 kDa
Gene ID:	6355
Protein Accession No.:	P80075
Sequence Identity:	Human
Isotype:	IgG ₁
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	2–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 ^{–4} to 3 µg/mL

Storage and handling

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

Stability

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

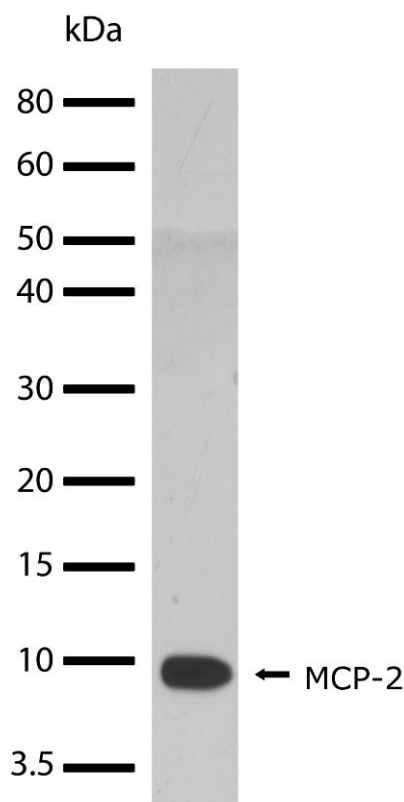


Figure 1 Western blot analysis of ABfinity™ MCP-2 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701174).

Western blot analysis was performed on MCP-2 recombinant protein. Endogenous level of MCP-2 was detected at ~8.9 kDa using ABfinity™ MCP-2 Recombinant Rabbit Monoclonal 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 Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at 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

Limited product warranty

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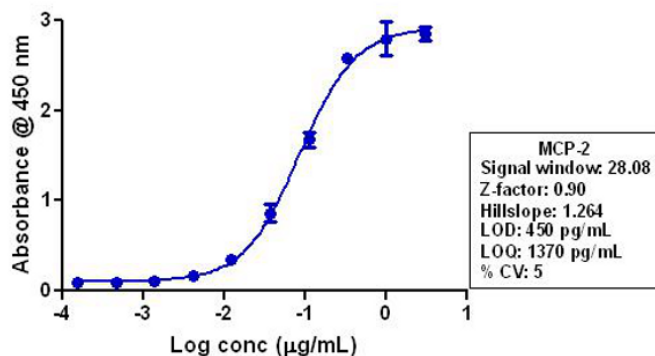


Figure 2 Indirect ELISA of ABfinity™ MCP-2 Recombinant Rabbit Monoclonal Antibody [Cat. no. 701174].

Indirect ELISA was performed using various dilutions of ABfinity™ MCP-2 Recombinant Rabbit Monoclonal Antibody to detect MCP-2 recombinant protein coated onto the plate. A non-linear regression analysis was performed (4 PL), 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		

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