

Datasheet: AHP784

Description:	RABBIT ANTI HUMAN MCP-1
Specificity:	MCP-1
Other names:	CCL2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			2.5ug/ml
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1ug/ml - 0.2ug/ml
Immunofluorescence			▪	
Functional Assays			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own systems using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	Antisera to human MCP-1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Recombinant human MCP-1 (PHP061).
External Database Links	<p>UniProt: P13500 Related reagents</p> <p>Entrez Gene: 6347 CCL2 Related reagents</p>
Synonyms	MCP1, SCYA2
Specificity	<p>Rabbit anti Human MCP-1 antibody recognizes human MCP-1 (Monocyte Chemoattractant Protein 1), otherwise known as CCL2, a 76 amino acid CC chemokine which acts as a chemoattractant for monocytes, basophils, activated T cells and NK cells, through binding with the seven-transmembrane G protein-coupled receptor, CCR2.</p> <p>The recruitment of mononuclear cells by MCP-1, has established this chemokine as an important factor in innate immunity, implicated in the pathogenesis of inflammatory diseases such as rheumatoid arthritis, multiple sclerosis, uveitis and bronchial asthma. Increasing studies have also linked MCP-1 with the polarization of activated T cells into the T helper 2 (Th2) subset, revealing a role for MCP-1 in the adaptive immune response.</p> <p>Rabbit anti Human MCP-1 antibody has been successfully used as a detection reagent in the development of a sensitive ELISA assay for the evaluation of MCP-1 expression in conjunction with Mouse anti Human MCP-1, clone 2.2-4A4-1A11 (MCA2486) and recombinant human MCP-1 (PHP061) as a calibration reagent.</p>
ELISA	This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with AHP784B as the detection reagent and PHP061 as the standard.
Histology Positive Control Tissue	Human Breast Invasive Ductal Carcinoma
Western Blotting	This product may be used under either reducing or non-reducing conditions with PHP061 as the positive control.
Further Reading	1. Banisor, I. <i>et al.</i> (2005) Involvement of beta-chemokines in the development of inflammatory demyelination. J Neuroinflammation. 2 (1): 7.
Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)
[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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'M279526:160115'

Printed on 02 May 2018

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