

Datasheet: AHP786B

Description:	RABBIT ANTI HUMAN MDC:Biotin
Specificity:	MDC
Other names:	CCL22
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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			▪	
ELISA	▪			0.15 - 0.30ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	Reconstitute with 1.0ml Sterile PBS containing 0.1% Bovine Serum Albumin. 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 MDC 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 50ug/ml

Immunogen Recombinant human MDC.

External Database Links

UniProt:
[O00626](#) [Related reagents](#)

Entrez Gene:
[6367](#) CCL22 [Related reagents](#)

Synonyms MDC, SCYA22

Specificity **Rabbit anti Human MDC antibody** recognizes human MDC, also known as macrophage-derived cytokine, CCL22, CC chemokine STCP-1, Small-inducible cytokine A22 or Stimulated T-cell chemotactic protein 1. MDC is a 93 amino acid, ~10.6 kDa member of the CC chemokine family expressed by macrophages, monocyte-derived dendritic cells, epithelial cells, fibroblasts and highly expressed in the thymus.

MDC acts as a chemoattractant for monocytes, dendritic cells, activated T lymphocytes and NK cells, through binding to chemokine (C-C motif) receptor 4 (CCR4). CCR4 is selectively expressed by Th2 cells and several studies have revealed a link between MDC and another ligand of CCR4, known as activation-regulated chemokine (TARC/CCL17), with Th2-mediated inflammatory disorders such as atopic dermatitis and ulcerative colitis ([Judge *et al.* 2001](#)).

References 1. Tsujikawa, T. *et al.* (2013) Autocrine and paracrine loops between cancer cells and macrophages promote lymph node metastasis via CCR4/CCL22 in head and neck squamous cell carcinoma. [Int J Cancer. 132 \(12\): 2755-66.](#)

Further Reading 1. Imai, T. *et al.* (1998) Macrophage-derived chemokine is a functional ligand for the CC chemokine receptor 4. [J Biol Chem. 273 \(3\): 1764-8.](#)

Storage Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of reconstitution.

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

Regulatory For research purposes only

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M279530:160115'

Printed on 16 Mar 2018
