Datasheet: AHP786

Description:	RABBIT ANTI HUMAN MDC
Specificity:	MDC
Other names:	CCL22
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			▪	
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			5.0 - 7.0ug/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 - lyophilised

Reconstitution Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB: For functional studies do not add azide.

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 1.0mg/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).
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 #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

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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

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