

For Research Use Only

CCL22/MDC Recombinant antibody, PBS Only (Detector)

Catalog Number: 84370-1-PBS



Basic Information

Catalog Number: 84370-1-PBS	GenBank Accession Number: BC027952	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6367	CloneNo.: 241668C10
Source: Rabbit	UNIPROT ID: O00626	
Isotype: IgG	Full Name: chemokine (C-C motif) ligand 22	
	Calculated MW: 93 aa, 11 kDa	

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84370-1-PBS targets CCL22/MDC as part of a matched antibody pair:

MP01238-2: 84370-3-PBS capture and 84370-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

CCL22, also known as macrophage-derived chemokine (MDC), is a member of the CC chemokine family. It is primarily produced by myeloid cells such as macrophages and dendritic cells (DCs) under steady-state conditions. CCL22 plays a significant role in immune responses by regulating the migration of different subsets of leukocytes. It shares the same receptor, CCR4, which is predominantly expressed by Th2 cells, making CCL22 a key mediator in the development of Th2-dominant diseases such as atopic dermatitis and asthma. Elevated serum levels of CCL22 are observed in patients with these conditions. CCL22 is also expressed in several types of tumor cells and Foxp3+ regulatory T cells (Tregs), suggesting its involvement in attracting Tregs into the tumor microenvironment to evade immune attacks.

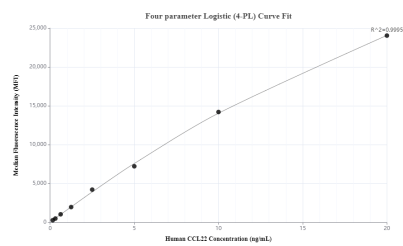
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Cytometric bead array standard curve of MP01238-2, CCL22 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84370-3-PBS. Detection antibody: 84370-1-PBS. Standard: Eg1974. Range: 0.156-20 ng/mL.