



Anti-CCL22 monoclonal antibody, clone 269243 (DCABY-4008)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Macrophage-derived chemokine (MDC), also named stimulated T cell chemotactic protein (STCP-1) and ABCD-1, and now designated as CCL22, is a CC chemokine initially isolated from clones of monocyte-derived macrophages. At the amino acid sequence level, MDC shows less than 35% identity to other CC chemokine family members. Human MDC is expressed in dendritic cells, macrophages and activated monocytes. In addition, MDC expression is detected in thymus, lymph node and appendix tissues. At the amino acid sequence level, mouse and human MDC share 64% identity and 83% similarity.
Specificity	Detects mouse CCL22/MDC in ELISAs and Western blots. In Western blots, this antibody shows 25% cross-reactivity with recombinant viral MIP-II and no cross-reactivity with rmCCL1, 2, 3, 4, 6, 7, CCL9/10/MIP-1 gamma, 11, 12, 19, 20, 21, 22, 24, 25, 27, rhCCL1, 2, 3, 4, 5, 7, 8, 11, 13, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 28, or rrCCL20.
Immunogen	E. coli-derived recombinant mouse CCL22/MDC. Gly25-Ser92 Accession Number O88430
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	269243
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair), Neutralization
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	Ccl22 chemokine (C-C motif) ligand 22 [Mus musculus (house mouse)]
Official Symbol	CCL22
Synonyms	CCL22; chemokine (C-C motif) ligand 22; MDC; DCBCK; ABCD-1; Scya22; C-C motif chemokine 22; CC chemokine ABCD-1; small-inducible cytokine A22; activated B and dendritic cell-derived; small inducible cytokine subfamily A22; dendritic cell and B cell derive
Entrez Gene ID	20299
Protein Refseq	NP_033163
UniProt ID	O88430
Chromosome Location	8 C5; 8
Pathway	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; GPCR ligand binding; Peptide ligand-binding receptors; Signal Transduction; Signaling by GPCR;
Function	chemokine activity; cytokine activity;