



Anti-CCL14 monoclonal antibody, clone 367500 (DCABY-4153)

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

PRODUCT INFORMATION

Antigen Description	CCL14, is a member of the chemokine superfamily of ligands. In-depth genome analysis has determined that there is no mouse ortholog for human CCL14. Two alternatively spliced isoforms of CCL14, CCL14a/HCC-1 and CCL14b/HCC-3, have been identified. The CCL14a/HCC-1 isoform is a 93 amino acid (aa) precursor peptide with a predicted molecular weight of 10 kDa, while the CCL14b/HCC-3 isoform contains an additional 17 aa insertion and has a predicted molecular weight of 12 kDa. CCL14a/HCC-1 is cleaved into a 74 aa secreted bioactive peptide by Plasmin or u-Plasminogen Activator/Urokinase. CCL14a/HCC-1 binds and activates CCR1, CCR3, and CCR5; it also binds the non-signaling chemokine decoy receptors DARC and D6. CCL14a/HCC-1 is widely expressed in normal tissues including spleen, liver, skeletal and heart muscle, gut, and bone marrow, and it circulates at high concentrations in the plasma. CCL14a/HCC-1 induces the chemotaxis of T lymphocytes, monocytes, and eosinophils. It also exhibits anti-HIV activities by causing CCR5, a key mediator of HIV entry, internalization and intracellular sequestration.
Specificity	Detects human CCL14/HCC-1/HCC-3 in ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant human CCL1, 2, 3, 5, 7, 8, 11, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, recombinant mouse CCL2, 3, 4, 6, 7, 9, 11, 12, 19, 20, 21, 22, 24, 25, or recombinant rat CCL20 is observed.
Immunogen	E. coli-derived recombinant human CCL14/HCC-1/HCC-3. Thr20-Asn109 Accession Number NP_116738
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Human
Clone	367500

Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, 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, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	CCL14 chemokine (C-C motif) ligand 14 [Homo sapiens (human)]
Official Symbol	CCL14
Synonyms	CCL14; chemokine (C-C motif) ligand 14; CC-1; CC-3; CKB1; MCIF; NCC2; SY14; HCC-1; HCC-3; NCC-2; SCYL2; SCYA14; HCC-1(1-74); HCC-1/HCC-3; C-C motif chemokine 14; chemokine CC-3; new CC chemokine 2; chemokine CC-1/CC-3; hemofiltrate CC chemokine 1; small-i
Entrez Gene ID	6358
Protein Refseq	NP_116738
UniProt ID	Q16627
Chromosome Location	17q11.2
Pathway	Chemokine signaling pathway; Cytokine-cytokine receptor interaction;
Function	chemokine activity;