



# Mouse Anti-Human CCL5/RANTES monoclonal antibody, clone NN53 (CABT-ZB685)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human CCL5/RANTES
<b>Target</b>	CCL5
<b>Immunogen</b>	Recombinant Human CCL5 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN53
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB685 - CABT-ZB1015 This antibody will detect CCL5/RANTES in antibody pair set. [ABPR-ZB264]
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CCL5. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	50 µL, 100 µL, 200 µL, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Chemokines are a family of small chemotactic cytokines, or proteins secreted by cells. Chemokines share the same structure similarities such as small size, and the presence of four cysteine residues in conserved locations in order to form their 3-dimensional shape. Some of the chemokines are considered pro-inflammatory which can be induced to recruit cells of the immune system to a site of infection during an immune response, while others are considered homeostatic and are implied in controlling the migration of cells during normal processes of tissue maintenance and development. There are four members of the chemokine family: C-C kemokines, C kemokines, CXC kemokines and CX3C kemokines. The C-C kemokines have two cysteines nearby the amino terminus. There have been at least 27 distinct members of this subgroup reported for mammals, called C-C chemokine ligands-1 to 28. Chemokine ligand 5(CCL5) is chemotactic for T cells, basophils and eosinophils. Chemokine ligand 5(CCL5) has been considered a HIV-suppressor secreted by CD8+ T cells and other immune cells. Chemokine ligand 5(CCL5) is a key to activating recruit leukocytes into inflammatory sites and in the presence of particular cytokines released by T cells, it can change the NK cells into CHAK cells.
<b>Keywords</b>	CCL5; chemokine (C-C motif) ligand 5; SISd; eoCP

## GENE INFORMATION

<b>Synonyms</b>	CCL5; chemokine (C-C motif) ligand 5; SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta; C-C motif chemokine 5
<b>Entrez Gene ID</b>	<a href="#">6352</a>
<b>UniProt ID</b>	<a href="#">P13501</a>