

Human CCL5/RANTES ELISA Kit | CCL5/RANTES elisa kit

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CATALOG #
AAA258403

REACTIVITY
Human

PRODUCT SYNONYMS

CCL5/RANTES; Human CCL5/RANTES ELISA Kit; CCL5/RANTES ELISA Kit; Human; chemokine (C-C motif) ligand 5; D17S136E ELISA Kit; eoCP ELISA Kit; RANTES ELISA Kit; SCYA5 ELISA Kit; SIS-delta ELISA Kit; SISd ELISA Kit; TCP228 ELISA Kit; CCL5/RANTES elisa kit

PRODUCT SPECIFICATIONS

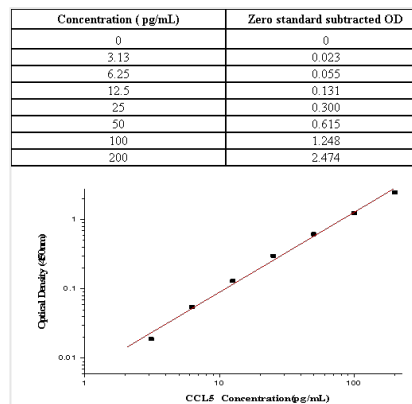
Reactivity	Human
Specificity	For the quantitative determination of Human CCL5/RANTES concentration in serum, cell culture supernates and plasma.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Cell supernatant, Plasma
Detection Range	0.78-50pg/mL
Sensitivity	.24pg/mL
Conjugation	HRP
Interference	Preparations of the factors listed below at 50ng/mL in a mid-range recombinant Human CCL5 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
OSM	IL11	IL1B	CNTF
IL3	G-CSF	LIF	M-CSF
FGF4	SCF	IGF1	SLPI
IL9	TGF- α	FGF α	EGF
TGF- β 1	IFN- γ	GM-CSF	IL8
bFGF	IGF-2	IL1 α	TNFR1
TNFR2	TNF- α	IL10	IL5
IL2	IL1RA		
Recombinant mouse			
EGF	IL3	GM-CSF	IL1 β
TNF- α	IL6	IL5	KITL
IL4	IL7	IL1A	

Application Data

This assay recognizes both recombinant and natural Human CCL5. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CCL5/RANTES elisa kit	This CCL5/RANTES ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CCL5/RANTES protein in Serum, Cell supernatant, Plasma. It contains recombinant Human CCL5/RANTES, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: 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. Chemokin ligand 5(CCL5) is chemotactic for T cells, basophils and eosinophils. Chemokin ligand 5(CCL5) has been considered a HIV-suppressor secreted by CD8+ T cells and other immune cells. Chemokin 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.
References	Laing KJ, et al. (2004) Chemokines. Developmental and comparative immunology. 28(5): 443-60. Cocchi F, et al. (1995) Identification of RANTES, MIP-1a, and MIP-1b as the major HIV-suppressive factor produced by CD8+ T cells. Science. 270 (5243): 1811-5. Vangelista L, et al. (2010) Engineering of Lactobacillus jensenii to secrete RANTES and a CCR5 antagonist analogue as live HIV-1 blockers. Antimicrob. Agents Chemother. 54 (7): 2994-3001. Maghazachi AA, et al. (1996) CC chemokines induce the generation of killer cells from CD56+ cells. Eur. J. Immunol. 26 (2): 315-9.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ccl5-rantes/258403>