

Rat CCL5 ELISA Kit | CCL5 elisa kit

Rat CCL5 ELISA Kit

CATALOG # AAA17858	REACTIVITY Rat	APPLICATIONS ELISA
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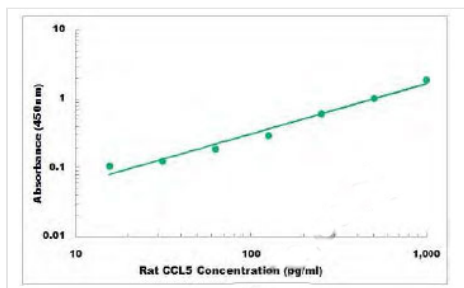
PRODUCT SYNONYMS

CCL5; Rat CCL5 ELISA Kit; D17S136E; SCYA5; C-C motif chemokine 5; EoCP; Eosinophil chemotactic cytokine; SIS-delta; Small-inducible cytokine A5; T cell-specific protein P228; TCP228; T-cell-specific protein RANTES; CCL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CCL5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CCL5 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	92
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 1 pg/ml
Applicable Applications for CCL5 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL5 elisa kit	Principle of the Assay: The Rat CCL5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CCL5 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat CCL5 coated on a 96-well plate. Standards and samples are pipetted into the wells and CCL5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CCL5 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CCL5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Rantes (regulated on activation normal T cell expressed and secreted) is one of the natural ligands for the chemokine receptor CCR5 and potently suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Peripheral blood mononuclear cells or CD4 (+) lymphocytes obtained from different individuals have wide variations in their ability to secrete RANTES. The Rantes gene product is predicted to be 10 kDa and, after cleavage of the signal peptide, approximately 8 kDa. Of the 68 residues, 4 are cysteines, and there are no sites for N-linked glycosylation. Rantes is expressed by cultured T cell lines that are Ag specific and growth factor dependent.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1711393
NCBI GeneID	81780
UniProt Accession #	P50231
Molecular Weight	10,170 Da
NCBI Official Full Name	C-C motif chemokine 5
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 5
NCBI Official Symbol	Ccl5
NCBI Official Synonym Symbols	Scya5; Rantes
NCBI Protein Information	C-C motif chemokine 5; SIS-delta; small inducible cytokine A5; small-inducible cytokine A5; T-cell-specific protein RANTES; regulated upon activation normal T-cell expressed and secreted
UniProt Protein Name	C-C motif chemokine 5
UniProt Gene Name	Ccl5
UniProt Synonym Gene Names	Scya5
UniProt Entry Name	CCL5_RAT

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.