

Human Rantes ELISA Kit | CCL5 elisa kit

Human Rantes PicoKine Fast ELISA Kit

CATALOG #
AAA125326

REACTIVITY
Human

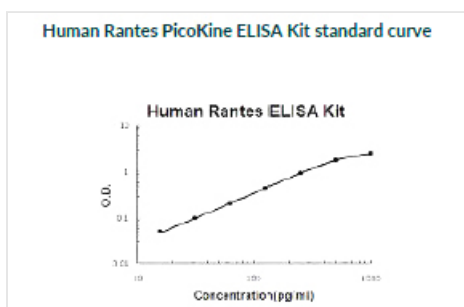
PRODUCT SYNONYMS

Rantes; Human Rantes PicoKine Fast ELISA Kit; Human Rantes; C-C motif chemokine ; C-C motif chemokine 5; C-C motif chemokine; CCL5; hCG_32592; CCL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CCL5
Samples	Cell culture supernates, serum, plasma(heparin, EDTA, citrate) and urine
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<3pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CCL5 elisa kit	Principle of the Assay: The Picokine™ Human CCL5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CCL5 with a 96-well strip plate that is pre-coated with antibody specific for CCL5. The detection antibody is a biotinylated antibody specific for CCL5. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human CCL5 with immunogen: Expression system for standard: E.coli; Immunogen sequence: S24-S91. The kit is analytically validated with ready to use reagents. To measure Human CCL5, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CCL5 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CCL5 in the sample.!!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 GeneID	6352
UniProt Accession #	D0EI67; P13501
NCBI Official Synonym Full Names	C-C motif chemokine ligand 5
NCBI Official Symbol	CCL5
NCBI Official Synonym Symbols	SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta
NCBI Protein Information	C-C motif chemokine 5
UniProt Protein Name	C-C motif chemokine
UniProt Gene Name	CCL5
UniProt Entry Name	D0EI67_HUMAN

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.