

Human Regulated On Activation In Normal T-Cell Expressed And Secreted (RANTES) ELISA Kit | RANTES elisa kit

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CATALOG # AAA67109	REACTIVITY Human
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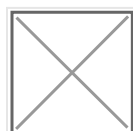
PRODUCT SYNONYMS

Regulated On Activation In Normal T-Cell Expressed And Secreted (RANTES); Human Regulated On Activation In Normal T-Cell Expressed And Secreted (RANTES) ELISA Kit; CCL5; SCYA5; SISd; EoCP; Chemokine C-C-Motif Ligand 5; Eosinophil Chemotactic Cytokine; T-cell Specific Protein p288; Small Inducible Cytokine Subfamily A(Cys-Cys)Member 5; RANTES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RANTES. No significant cross-reactivity or interference between RANTES and analogues was observed.
Sequence Length	91
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.073ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RANTES were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RANTES were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RANTES elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RANTES in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to RANTES. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to RANTES. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RANTES, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of RANTES in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22538814
NCBI GeneID	6352
NCBI Accession #	NP_002976.2
NCBI GenBank Nucleotide #	NM_002985.2
UniProt Accession #	P13501; O43646; Q0QVW8; Q4ZGJ1; Q9NYA2; Q9UBG2; Q9UC99
Molecular Weight	9,990 Da
NCBI Official Full Name	C-C motif chemokine 5 isoform 1
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 5
UniProt Gene Name	CCL5
UniProt Synonym Gene Names	D17S136E; SCYA5; TCP228

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.