

Human RANTES ELISA Kit | RANTES elisa kit

RANTES Human ELISA Kit

CATALOG # AAA58946	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

RANTES; RANTES Human ELISA Kit; Human RANTES; RANTES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human Serum, Plasma, Body Fluids, Tissue Lysates Or Cell Culture Supernatants
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 10 pg/ml
Applicable Applications for RANTES elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a Human Rantes ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A not applicable)

X	Pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.057	0.092	0.135	0.212	0.360	0.613	1.224	2.273

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RANTES elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-OPN polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-OPN polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the OPN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of OPN can be calculated!!

Background/Introduction: Osteopontin (OPN), also known as bone sialoprotein I (BSP-1 or BNSP), secreted phosphoprotein 1 (SPP1), is a human gene product. The gene has 7 exons, spans 5 kilobases in length and in humans it is located on 4q13. The protein is composed of ~300 amino acids residues and has ~30 carbohydrate residues attached including 10 sialic acid residues, which are attached to the protein during post-translational modification in the Golgi apparatus. Osteopontin has been implicated as an important factor in bone remodeling. Specifically, research suggests it plays a role in anchoring osteoclasts to the mineral matrix of bones.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2905632
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NCBI GeneID	6352
UniProt Accession #	P13501; O43646; Q0QVW8; Q4ZGJ1; Q9NYA2; Q9UBG2; Q9UC99
Molecular Weight	9,990 Da
NCBI Official Full Name	RANTES
NCBI Official Synonym Full Names	chemokine (C-C motif) 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; beta-chemokine RANTES; T-cell specific protein p288; eosinophil chemotactic cytokine; small inducible cytokine subfamily A (Cys-Cys), member 5; regulated upon activation, normally T-expressed, and presumably secreted
UniProt Protein Name	C-C motif chemokine 5
UniProt Gene Name	CCL5
UniProt Synonym Gene Names	D17S136E; SCYA5; TCP228
UniProt Entry Name	CCL5_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/rantes/58946>