

# Mouse Rantes ELISA Kit

Catalog No: #EK5215

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Mouse Rantes ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	E.coli,S24-S91
Other Names	C-C motif chemokine 5; MuRantes; SIS-delta; Small-inducible cytokine A5; T-cell-specific protein RANTES; Ccl5; Scya5;
Accession No.	P30882
Uniprot	P30882
GeneID	20304;
Cell Localization	Secreted.

## Application Details

sensitivity:1pg mlDetect Range:15.6pg ml-1000pg ml  
 sample\_type:cell culture supernates serum and plasma(heparin EDTA citrate).  
 capture\_antibody:monoclonal antibody from ratdetection\_antibody:polyclonal antibody from goat  
 gene\_name:CCL5protein\_name:C-C motif chemokine 5  
 full\_name:C-C motif chemokine 5tissue\_specificity: T-cell and macrophage  
 specific.sequence\_similarities:tmb\_incubation:25-30minresearch\_category:immunology|innate immunity|chemokines|beta chemokines  
 (cc)|cardiovascular|atherosclerosis|vascular inflammation|leukocyte recruitment|kits/ lysates/ other|kits|elisa kits|cytokines and cytokine receptors elisa kits|immune system diseases|antiviral signaling|hiv-related

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse Rantes

## Background

protein\_function: Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. May also be an agonist of the G protein-coupled receptor GPR75. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells. 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.

Note: This product is for in vitro research use only