

Datasheet for ABIN6719760  
**CCL5 ELISA Kit**[Go to Product page](#)

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## Overview

Quantity:	1 kit
Target:	CCL5
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Beta chemokine RANTES, Beta chemokine RANTES precursor, C C motif chemokine 5, CCL5_HUMAN, Chemokine ligand 5, Chemokine CC Motif Ligand 5, EoCP, Eosinophil chemotactic cytokine, RANTES, Regulated upon activation normally T expressed and presumably secreted, SCYA5, SIS delta, SIS-delta, SISd, Small inducible cytokine A5, Small inducible cytokine subfamily A member 5, T cell specific protein p288, T cell specific protein RANTES, T-cell-specific protein RANTES, TCP 228, TCP228</p> <p>Background: 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</p>

## Product Details

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.

Gene Name: CCL5

Production: Natural and recombinant rat Rantes. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S24-S91

## Target Details

Target:	CCL5
Alternative Name:	Rantes ( <a href="#">CCL5 Products</a> )
Gene ID:	81780
NCBI Accession:	<a href="#">NP_112378</a>
UniProt:	<a href="#">Q6PED1</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL rat Rantes standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each rat Rantes standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

