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CCL5 ELISA Kit





Overview

Quantity:	1 kit
Target:	CCL5
Reactivity:	Mouse
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:	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

RANTES, T-cell-specific protein RANTES, TCP 228, TCP228

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

inducible cytokine subfamily A member 5, T cell specific protein p288, T cell specific protein

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 mouse 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 (CCL5 Products)
Gene ID:	20304
NCBI Accession:	NP_038681
UniProt:	P30882
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of G-Protein Coupled Receptor
	Protein Signaling, Smooth Muscle Cell Migration

Application Details

Application Notes:	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 mouse 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 mouse cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each
	empty well. It is recommended that each mouse Rantes standard solution and each sample be
	measured in duplicate.
	Blood Product Anticoagulant: Heparin Sodium
	ELISA Dilution: 15.6pg/mL-1000pg/mL
Caranla Valura er	100

Sample Volume: 100 µL
Plate: Pre-coated

Application Details

Restrictions:

For Research Use only

Handling

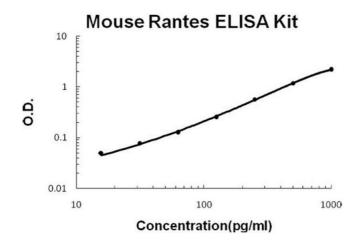
Storage:

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



ELISA

Image 1. Mouse Rantes Accusignal ELISA Kit Mouse Rantes AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.</p>