



# Anti-CCL5 (aa 24-91) polyclonal antibody (DPABH-06355)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. Binds to CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) and is generated by an unidentified enzyme associated with monocytes and neutrophils.
<b>Immunogen</b>	Recombinant full length mature protein, corresponding to amino acids 24-91 of Human RANTES. Expressed in E. coli with an amino-terminal hexahistidine tag. Swiss Prot P13501.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Human
<b>Purification</b>	IgG fraction
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Size</b>	500 µl
<b>Buffer</b>	pH: 7.20; Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CCL5 chemokine (C-C motif) ligand 6 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CCL5
<b>Synonyms</b>	CCL5; chemokine (C-C motif) ligand 5; SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta; 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;
<b>Entrez Gene ID</b>	<a href="#">6352</a>
<b>Protein Refseq</b>	<a href="#">NP_001265665.1</a>
<b>UniProt ID</b>	<a href="#">D0EI67</a>
<b>Pathway</b>	Chagas disease (American trypanosomiasis); Chemokine receptors bind chemokines; Chemokine signaling pathway; Cytokine-cytokine receptor interaction
<b>Function</b>	CCR1 chemokine receptor binding; CCR1 chemokine receptor binding; CCR1 chemokine receptor binding; CCR4 chemokine receptor binding