Datasheet for ABIN3043478

anti-CCL5 antibody (AA 26-91)

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Overview

Quantity:	100 µg
Target:	CCL5
Binding Specificity:	AA 26-91
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCL5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Rabbit IgG polyclonal antibody for C-C motif chemokine 5(CCL5) detection. Tested with WB, ELISA in Human.
Immunogen:	E. coli-derived human RANTES recombinant protein (Position: Y26-S91). Human RANTES shares 83.3% amino acid (aa) sequence identity with both mouse and rat RANTES.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for C-C motif chemokine 5(CCL5) detection. Tested with WB, ELISA in Human. Gene Name: chemokine (C-C motif) ligand 5 Protein Name: C-C motif chemokine 5
Purification:	Immunogen affinity purified.

Target Details

Target:	CCL5
Alternative Name:	CCL5 (CCL5 Products)
Background:	Chemokine (C-C motif) ligand 5 (also CCL5) is a protein which in humans is encoded by the CCL5 gene. It is also known as RANTES. This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms. Synonyms: Beta chemokine RANTES precursor antibody|CCL 5 antibody|CCL5 antibody|CCL5_HUMAN antibody|Chemokine (C C motif) ligand 5 antibody| Chemokine CC Motif Ligand 5 antibody|D17S136E antibody|EoCP antibody|Eosinophil chemotactic cytokine antibody|MGC17164 antibody| RANTES(4-68) antibody|Regulated upon activation normally T expressed and presumably secreted antibody|SCYA 5 antibody|SCYA5 antibody| SIS delta antibody|SIS-delta antibody|SISd antibody|Small inducible cytokine A5 (RANTES) antibody|Small inducible cytokine A5 antibody|Small inducible cytokine subfamily A (Cys Cys) member 5 antibody|Small-inducible cytokine A5 antibody|T cell specific protein p288 antibody|T cell specific RANTES protein antibody|T cell-specific protein P228 antibody|T-cell-specific protein RANTES antibody| TCP 228 antibody|TCP228 antibody
Gene ID:	6352
UniProt:	P13501
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of G-Protein Coupled Receptor Protein Signaling, Smooth Muscle Cell Migration

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human ELISA: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

Application Details

	Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Wei, Feng, Sun, Cheng, Ma, Zhao, Dong, Zhang, Li: "Different locations of RANTES and its receptors on mouse epididymal spermatozoa." in: **Reproduction, fertility, and development**, (2015) (PubMed). Li, Sun, Liao, Ma, Ma, Zhang: "Regulated upon activation normal T-cell expressed and secreted originating from the epididymis differentially associates with viable and defective spermatozoa. " in: **Fertility and sterility**, Vol. 93, Issue 8, pp. 2661-7, (2010) (PubMed).

Western Blotting

Image 1. Observed bind size: 11KD