

## DESCRIPTION

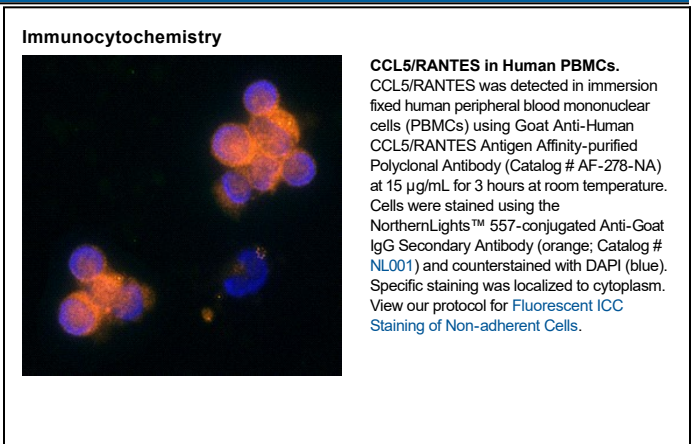
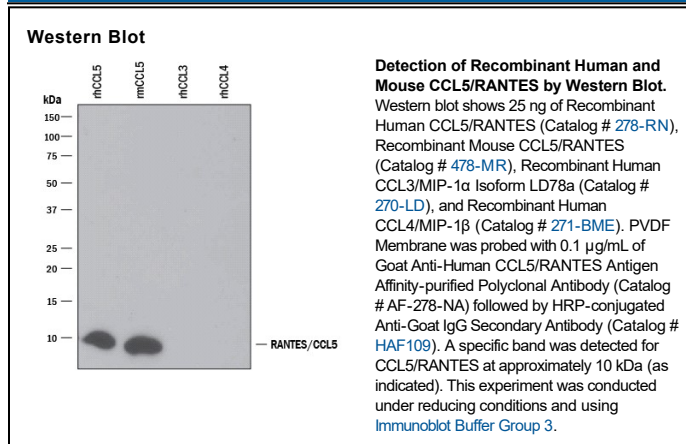
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human CCL5/RANTES in direct ELISAs. Detects human CCL5/RANTES and mouse CCL5/RANTES Western blots. In direct ELISAs, approximately 40% cross-reactivity with recombinant canine CCL5/RANTES is observed and approximately 20% cross-reactivity with recombinant cotton rat CCL5/RANTES is observed. In Western blots, no cross-reactivity with recombinant human (rh) CCL3 and rhCCL4 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CCL5/RANTES Ser24-Ser91 Accession # P13501
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

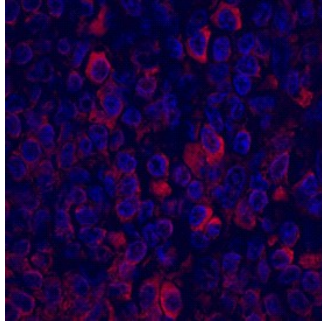
**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Western Blot</b>	0.1 µg/mL	See Below
<b>Immunocytochemistry</b>	5-15 µg/mL	See Below
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below
<b>Neutralization</b>	Measured by its ability to neutralize CCL5/RANTES-induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR5. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.1-0.4 µg/mL in the presence of 0.01 µg/mL Recombinant Human CCL5/RANTES.	

## DATA



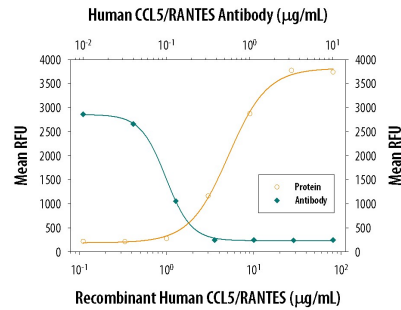
## Immunohistochemistry



### CCL5/RANTES in Human Tonsil.

CCL5/RANTES was detected in immersion fixed paraffin-embedded sections of human tonsil using Goat Anti-Human CCL5/RANTES Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-278-NA) at 10 µg/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

## Neutralization



**Chemotaxis Induced by CCL5/RANTES and Neutralization by Human CCL5/RANTES Antibody.** Recombinant Human CCL5/RANTES (Catalog # 278-RN) chemoattracts the BaF3 mouse pro-B cell line transfected with human CCR5 in a dose-dependent manner (orange line). The amount of cells that migrated through to the lower chemotaxis chamber was measured by Resazurin (Catalog # AR002). Chemotaxis elicited by Recombinant Human CCL5/RANTES (0.01 µg/mL) is neutralized (green line) by increasing concentrations of Goat Anti-Human CCL5/RANTES Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-278-NA). The ND<sub>50</sub> is typically 0.1-0.4 µg/mL.

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

RANTES (Regulated upon Activation, Normal T cell Expressed and presumably Secreted) is a member of the β (C-C) chemokine subfamily and is now designated CCL5. It binds and activates the chemokine receptors CCR1, 3 and 5.