

#2987

## CCL5/RANTES (R40) Antibody



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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB	H	Endogenous	10	Rabbit	#P13501	6352

<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 1:1000
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
<b>Specificity / Sensitivity</b>	CCL5/RANTES (R40) Antibody detects endogenous levels of total human CCL5/RANTES protein.	
<b>Species predicted to react based on 100% sequence homology:</b>	Monkey	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg40 of human CCL5/RANTES. Antibodies were purified by protein A and peptide affinity chromatography.	
<b>Background</b>	RANTES/CCL5 (regulated upon activation, T cell expressed and secreted) is a member of the "C-C" or β family of chemokines that induce inflammation and are associated with a number of inflammatory disorders (1,2). RANTES is produced and secreted mainly by CD8 <sup>+</sup> T cells, macrophages, and platelets, as well as epithelial cells, fibroblasts, and some solid tumors (2-7). RANTES acts as a chemoattractant and has other regulatory functions on a number of cell types, including monocytes, memory T cells, NK cells, eosinophils, basophils, dendritic cells, and mast cells (3, 7-9). Signaling by RANTES is mediated by several G protein-coupled receptors (GPCRs), including CCR1, CCR3, CCR4, and CCR5.	
<b>Background References</b>	1. Schall, T.J. (1991) <i>Cytokine</i> 3, 165-83. 2. Schall, T.J. et al. (1988) <i>J Immunol</i> 141, 1018-25. 3. Kameyoshi, Y. et al. (1992) <i>J Exp Med</i> 176, 587-92. 4. Rathanaswami, P. et al. (1993) <i>J Biol Chem</i> 268, 5834-9. 5. Mattei, S. et al. (1994) <i>Int J Cancer</i> 56, 853-7. 6. Stellato, C. et al. (1995) <i>J Immunol</i> 155, 410-8. 7. Schall, T.J. et al. (1990) <i>Nature</i> 347, 669-71. 8. Kuna, P. et al. (1992) <i>J Immunol</i> 149, 636-42. 9. Mattoli, S. et al. (1995) <i>Biochem Biophys Res Commun</i> 209, 316-21.	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>WB:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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