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#2987

CCL5/RANTES (R40) Antibody

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 10	Source/Isotype: Rabbit	UniProt ID: #P13501	Entrez-Gene Id: 6352
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	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.	
Specificity/Sensitivity	CCL5/RANTES (R40) Antibody detects endogenous levels of total human CCL5/RANTES protein.	
Species predicted to react based on 100% sequence homology	Monkey	
Source / Purification	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.	
Background	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 ⁺ 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.	
Background References	<ol style="list-style-type: none"> Schall, T.J. (1991) <i>Cytokine</i> 3, 165-83. Schall, T.J. et al. (1988) <i>J Immunol</i> 141, 1018-25. Kameyoshi, Y. et al. (1992) <i>J Exp Med</i> 176, 587-92. Rathanaswami, P. et al. (1993) <i>J Biol Chem</i> 268, 5834-9. Mattei, S. et al. (1994) <i>Int J Cancer</i> 56, 853-7. Stellato, C. et al. (1995) <i>J Immunol</i> 155, 410-8. Schall, T.J. et al. (1990) <i>Nature</i> 347, 669-71. Kuna, P. et al. (1992) <i>J Immunol</i> 149, 636-42. Mattoli, S. et al. (1995) <i>Biochem Biophys Res Commun</i> 209, 316-21. 	
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).	
Western Blot Buffer	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.	
Applications Key	W: Western Blotting	
Cross-Reactivity Key	H: Human	
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