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Store at -20C
#2988

CCL5/RANTES (P20) Antibody

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

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

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 (P20) 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 Pro20 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

- Schall, T.J. (1991) *Cytokine* 3, 165-83.
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- Kameyoshi, Y. et al. (1992) *J Exp Med* 176, 587-92.
- Rathanaswami, P. et al. (1993) *J Biol Chem* 268, 5834-9.
- Mattei, S. et al. (1994) *Int J Cancer* 56, 853-7.
- Stellato, C. et al. (1995) *J Immunol* 155, 410-8.
- Schall, T.J. et al. (1990) *Nature* 347, 669-71.
- Kuna, P. et al. (1992) *J Immunol* 149, 636-42.
- Mattoli, S. et al. (1995) *Biochem Biophys Res Commun* 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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