

DESCRIPTION

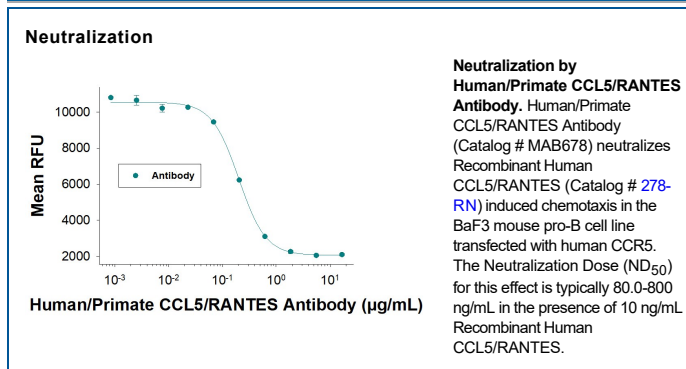
Species Reactivity	Human/Primate
Specificity	Detects human and primate CCL5/RANTES in direct ELISAs and Western blots. When used in combination with the biotinylated anti-human/primate CCL5/RANTES detection antibody (Catalog # BAF278) in sandwich ELISAs, no significant cross-reactivity or interference is observed with recombinant human (rh) ANG, rhCNTF, rhβ-ECGF, rhEGF, mouse (m) EGF, rhEpo, bovine (b) FGF acidic, rhFGF acidic, bFGF basic, rhFGF basic, rhFGF-4, rhG-CSF, rhGM-CSF, recombinant mouse (rm) GM-CSF, rhGROα, rhIFN-γ, rhIGF-I, rhIGF-II, rhIL-1α, rmIL-1α, rhIL-1β, rmIL-1β, rhIL-1ra, recombinant rat (rr) IL-1ra, rhIL-2, rhIL-3, rmIL-3, rmIL-4, rhIL-5, rmIL-5, rhIL-6, rmIL-6, rhIL-7, rmIL-7, rhIL-8, rhIL-9, rmIL-9, rhIL-10, rhIL-11, rhLIF, rhMCP-1, rhM-CSF, rhMIP-1α, rmMIP-1α, rhMIP-1β, rmMIP-1β, rhOSM, human (h) PDGF, pPDGF, rhPDGF-AA, rhPDGF-AB, rhPDGF-BB, rhSCF, rmSCF, rhSLPI, rhTGF-α, pTGF-β1, hTGF-β1, rhTGF-β1, pTGF-β2, rhTGF-β2, recombinant canine TGF-β3, rhTGF-β3, recombinant amphibian TGF-β5, rhTNF-α, rmTNF-α, or rmTNF-β.
Source	Monoclonal Mouse IgG ₁ Clone # 21418
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CCL5/RANTES
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	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
Western Blot	1 µg/mL	Recombinant Human CCL5/RANTES (Catalog # 278-RN)
Human/Primate CCL5/RANTES Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human/Primate CCL5/RANTES Antibody (Catalog # MAB678)
ELISA Detection	0.1-0.4 µg/mL	Human/Primate CCL5/RANTES Biotinylated Antibody (Catalog # BAF278)
Standard		Recombinant Human CCL5/RANTES (Catalog # 278-RN)
Neutralization	Human/Primate CCL5/RANTES Antibody (Catalog # MAB678) neutralizes Recombinant Human CCL5/RANTES (Catalog # 278-RN) induced chemotaxis in the BaF3 mouse pro-B cell line transfected with human CCR5. The Neutralization Dose (ND ₅₀) for this effect is typically 80.0-800 ng/mL in the presence of 10 ng/mL Recombinant Human CCL5/RANTES.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS. For liquid material, refer to CoA for concentration.
Shipping	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

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