Biotinylated Anti-feline CCL5/RANTES Antibody

ORDERING INFORMATION

Catalog Number: BAF3819

Lot Number: CCNB01

Size: 50 μg

Formulation: 0.2 μm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: feline RANTES

Immunogen: *E. coli*-derived rfeRANTES

Ig Type: sheep IgG

Applications: Western blot
ELISA detection

Preparation
Produced in sheep immunized with purified, *E. coli*-derived, recombinant feline RANTES (rfeRANTES; R&D Systems, Catalog # 3819-FR). Feline RANTES specific IgG was purified by feline RANTES affinity chromatography and then biotinylated.

Formulation
Lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS) containing 50 μg of bovine serum albumin (BSA) per 1 μg of antibody.

Reconstitution
Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 μg/mL.

Storage
Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity
This antibody has been selected for use as a detection antibody in feline RANTES ELISAs and Western blots.

Applications
Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect human CCL5. The detection limit for rhCCL5 is approximately 5 ng/lane under non-reducing and reducing conditions.

ELISA detection - This biotinylated antibody can be used as a detection reagent in a feline RANTES sandwich immunoassay in combination with the feline RANTES capture reagent (Cat. # AF3819) and recombinant feline RANTES (Cat. # 3819-FR) as the standard. The suggested concentration range for this detection reagent is 0.1 - 0.4 μg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/go/MAPELISA. In this format, less than 0.02% cross-reactivity is observed with rhRANTES, rmRANTES and rcrRANTES.

Optimal dilutions should be determined by each laboratory for each application.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

R&D Systems, Inc.
1-800-343-7475

11/2/09