



Biotinylated Anti-human CART Antibody

ORDERING INFORMATION

Catalog Number: BAF163

Lot Number: GPC01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human CART

Immunogen: *E. coli*-derived rhCART (aa 28 - 116)

Ig Type: goat IgG

Applications: Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human cocaine and amphetamine regulated transcript (rhCART, aa 28 - 116). Human CART specific IgG was purified by human CART 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 human CART 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 CART. The detection limit for rhCART is approximately 5 ng/lane and 20 ng/lane under non-reducing and reducing conditions, respectively.

Immunohistochemistry - This antibody will detect CART in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Serie

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