Biotinylated Anti-rat CNTF Rα Antibody

Preparation
Produced in goats immunized with purified, insect cell line *Sf* 21-derived, recombinant rat ciliary neurotrophic factor soluble receptor alpha (rrCNTF sRα). CNTF Rα specific IgG was purified by human CNTF Rα affinity chromatography and then biotinylated.

Formulation
Lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS).

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 for human or rat CNTF Rα 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 or rat CNTF Rα. The detection limit for rhCNTF Rα and rrCNTF Rα is approximately 5 ng/lane under non-reducing and reducing conditions.

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

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

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5/18/06