



Biotinylated Anti-mouse Wnt-4 Antibody

ORDERING INFORMATION

Catalog Number: BAF475

Lot Number: BFM01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: mouse Wnt-4

Immunogen: *E. coli*-derived rmWnt-4

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse Wnt-4 peptide consisting of amino acid residues 37 - 76 and 222 - 295 joined by a linker (GGGGSGGGSGGGGS). The polypeptide also has six histidine residues added at the carboxy-terminus (Gavin, B.J. *et al.*, 1990, Genes Dev. 4:2319 - 2332). Wnt-4 specific IgG was purified by affinity chromatography using a column of the immobilized recombinant mouse Wnt-4 peptide 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 in mouse Wnt-4 western blots.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse Wnt-4. The detection limit for rmWnt-4 peptide is approximately 2 ng/lane under non-reducing and reducing conditions.

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