



## ***Biotinylated Anti-mouse Wnt-9b Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF3669

**Lot Number:** YDP01

**Size:** 50 µg

**Formulation:** 0.2 µm filtered solution in PBS with BSA

**Storage:** -20° C

**Reconstitution:** sterile 0.1% BSA in TBS

**Specificity:** mouse Wnt-9b

**Immunogen:** *E. coli*-derived rmWnt-9b

**Ig Type:** goat IgG

**Application:** Western blot

### ***Preparation***

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse Wnt-9b (aa 46 - 90 and aa 228 - 298) joined by a linker peptide (rmWnt-9b; Accession # O35468). The recombinant peptide also contains additional sequences at the N- and C-termini to aid in expression and purification. Mouse Wnt-9b specific IgG was purified by mouse Wnt-9b affinity chromatography and then biotinylated. Mouse Wnt-9b (previously named Wnt-14b or Wnt-15) is a presumably secreted, glycosylated member of the Wnt family of developmental signaling proteins. The 359 amino acid (aa) mouse Wnt-9b precursor contains a 336 aa mature region with 24 conserved cysteines and one potential N-linked glycosylation site. Mature mouse Wnt-9b shows 93% and 98% aa sequence identity with mature human and rat Wnt-9b, respectively. It also shares 63% aa sequence identity with Wnt-9a. Wnt-9b is expressed in late embryos and in adult kidney, with lesser amounts in brain and liver.

### ***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 mouse Wnt-9b 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-9b. The detection limit for rmWnt-9b is approximately 0.5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 2% cross-reactivity with rhWnt-2, rhWnt-9a, rmWnt-1, rmWnt-2b, rmWnt-3a, rmWnt-4, rmWnt-5a, rmWnt-5b, rmWnt-11, and rmWnt-16.

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