



## ***Biotinylated Anti-mouse WISP-1/CCN4 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF1680

**Lot Number:** JSM01

**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 WISP-1

**Immunogen:** NS0-derived rmWISP-1

**Ig Type:** sheep IgG

**Applications:** Western blot  
Immunohistochemistry

### ***Preparation***

Produced in sheep immunized with purified, NS0-derived, recombinant mouse Wnt-1 induced secreted protein (rmWISP-1). Mouse WISP-1 specific IgG was purified by mouse WISP-1 affinity chromatography and then biotinylated. WISP-1 belongs to the CCN (CTGF/CYR61/NOV) family of secreted proteins that share a common multimodular organization. Each family member has an IGFBP domain, a von Willebrand type C domain, a thrombospondin 1 domain and a C-terminal cysteine knot domain. Depending on cell context, WISP-1 can either promote or inhibit tumorigenesis.

### ***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 the applications listed below.

### ***Applications***

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse WISP-1. The detection limit for rmWISP-1 is approximately 1 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 10% cross-reactivity with rhWISP-1 and less than 1% cross-reactivity with rhCTGF and rmNOV.

**Immunohistochemistry** - This antibody will detect WISP-1 in cells and tissues. The working dilution is 15 µg/mL.

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