



## ***Biotinylated Anti-human Cadherin-13 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF3264

**Lot Number:** CDFV01

**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 Cadherin-13

**Immunogen:** NS0-derived rhCadherin-13 (aa 23 - 692)

**Ig Type:** goat IgG

**Application:** Western blot

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human Cadherin-13 (rhCadherin-13; aa 23 - 692; Accession # P55290). Human Cadherin-13 specific IgG was purified by human Cadherin-13 affinity chromatography and then biotinylated. Cadherin-13, also known as H-Cadherin and T-Cadherin, is a GPI-linked calcium dependent adhesion molecule that is predominantly expressed in heart and brain. Cadherin-13 negatively influences cell growth and is down regulated in some cancers. A 116 residue N-terminal propeptide is proteolytically removed to generate mature Cadherin-13. Human and mouse proCadherin-13 share 95% amino acid identity.

### ***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 Cadherin-13 Western blots.

### ***Application***

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Cadherin-13. The detection limit for rhCadherin-13 is approximately 2 ng/lane non-reducing and reducing conditions. In this format, this antibody shows less than 5% cross-reactivity with rhCadherin-8, rhCadherin-11, rhCadherin-17, rhE-Cadherin, rhP-Cadherin, rhVE-Cadherin and rhR-Cadherin.

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