



Biotinylated Anti-human Cadherin-4/R-Cadherin Antibody

ORDERING INFORMATION

Catalog Number: BAF2217

Lot Number: UEE01

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-4 extracellular
domain

Immunogen: NS0-derived rhCadherin-4
extracellular domain

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human pro and mature Cadherin-4 (rhCadherin-4) extracellular domain. Human Cadherin-4 specific IgG was purified by human Cadherin-4 affinity chromatography and then biotinylated. Cadherin-4, also known as retinal Cadherin (R-Cadherin), is a 130 kDa type I, or classic Cadherin found on a variety of cell types. It is synthesized as a 916 amino acid (aa) preproprotein that is processed into a mature type I transmembrane glycoprotein of 747 aa in length. Human and mouse extracellular regions are over 94% identical.

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-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 human Cadherin-4. The detection limit for rhCadherin-4 is approximately 5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 5% cross-reactivity with rhN-Cadherin and less than 1% cross-reactivity with rhCadherin-8, rhCadherin-11, rhCadherin-12, rhCadherin-17, rhE-Cadherin, rhP-Cadherin and rhVE-Cadherin.

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