



Biotinylated Anti-human Nectin-1 Antibody

ORDERING INFORMATION

Catalog Number: BAF2880

Lot Number: WMN01

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 and mouse Nectin-1

Immunogen: NS0-derived rhNectin-1 (aa 31 - 334)

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Nectin-1 (rhNectin-1; aa 31 - 334; Accession # Q15223) extracellular domain. Nectin-1 specific IgG was purified by human Nectin-1 affinity chromatography and then biotinylated. Nectin-1, also known as CD111 antigen, Poliovirus receptor-related protein 1 (PRR-1) and Herpes virus entry mediator C (HVEC), is a 110 kDa type I transmembrane glycoprotein. Two additional splice forms (another type I transmembrane protein and a secreted protein) also exist. All three isoforms share the same aa 31 - 334 residues. Nectin-1 is widely expressed in numerous tissues. It is a Ca²⁺-independent cell adhesion molecule that is a member of the Ig superfamily. The amino acid sequence of human Nectin-1 extracellular domain of 93% and 96% identical to that of mouse and porcine Nectin-1, respectively.

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 and mouse Nectin-1 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 and mouse Nectin-1. The detection limit for rhNectin-1 and rmNectin-1 is approximately 10 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 6% cross-reactivity with rhNectin-2, -3 and -4.

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