



Biotinylated Anti-mouse NOV/CCN3 Antibody

ORDERING INFORMATION

Catalog Number: BAM19761

Clone: 231210

Lot Number: CATZ01

Size: 250 µg

Formulation: 0.2 µm filtered solution in PBS
with BSA

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse NOV

Immunogen: NS0-derived rmNOV

Ig class: rat IgG_{2A}

Recommended Application:
ELISA detection

Background

Nephroblastoma Overexpressed gene (NOV) belongs to the CCN (CTGF/CYR61/NOV) family of secreted proteins that share a common multimodular organization. Each protein contains an IGF1 domain, a von Willebrand factor type C domain, a thrombospondin type I domain and a cysteine knot domain. NOV interacts with several proteins and is involved in both internal and external cell signaling.

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a rat immunized with purified, NS0-derived, recombinant mouse NOV (rmNOV; aa 26 - 354; Accession # Q64299). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg bovine serum albumin per 1 µg of antibody.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 500 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 detects rmNOV in direct ELISAs.

Application

ELISA detection - This biotinylated antibody can be used as a detection reagent in a mouse NOV sandwich immunoassay in combination with mouse NOV capture reagent (Cat. # MAB19762) and recombinant mouse NOV (Cat. # 1976-NV) as the standard. The suggested concentration range for this detection reagent is 0.5 - 2 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/go/MAPELISA.

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

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2009/04/02

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3/30/09