Biotinylated Anti-mouse Cerberus 1 Antibody

ORDERING INFORMATION

Catalog Number: BAF1986

Lot Number: WLY01

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 Cerberus 1

Immunogen: NS0-derived rmCerberus 1

Ig Type: goat IgG

Application: Western blot

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Cerberus 1 (rmCerberus 1) preparation containing a mixture of rmCerberus 1 (aa 41 - 272) and rmCerberus (aa 141 - 272), Accession # 055233. Mouse Cerberus 1 specific IgG was purified by mouse Cerberus 1 affinity chromatography and then biotinylated. Cerberus 1 is a secreted cysteine knot protein and a member of the DAN family of BMP antagonists. It antagonizes signaling by Activin, Nodal and BMP. Cerberus exists both as a monomer and dimer. The amino acid sequence of mouse Cerberus is 67% identical to that of human Cerberus.

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 mouse Cerberus 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 mouse Cerberus 1. The detection limit for rmCerberus 1 is approximately 5 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 5% cross-reactivity with rhCerberus.

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

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