Anti-mouse Cryptic Antibody

ORDERING INFORMATION

Catalog Number: AF1840

Lot Number: KEL01

Size: 100 μg

Formulation: 0.2 μm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Cryptic

Immunogen: NS0-derived rmCryptic (aa 36 - 177)

Ig Type: mouse Cryptic specific goat IgG

Applications: Direct ELISA
Western blot
Flow cytometry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Cryptic (rmCryptic; aa 36 - 177). Mouse Cryptic specific IgG was purified by mouse Cryptic affinity chromatography. Cryptic, also known as CFC-1, is a member of the EGF-CFC family. It exists both as a secreted and as a GPI-anchored protein. Cryptic functions as a cofactor that modulates the activities of some members of the TGF-β family.

Formulation

Lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/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 its ability to recognize mouse Cryptic in direct ELISAs and western blots. In these formats, this antibody shows approximately 10% cross-reactivity with rhCryptic.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect mouse Cryptic. The detection limit for rmCryptic is approximately 0.2 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect mouse Cryptic. The detection limit for rmCryptic is approximately 1 ng/lane and 5 ng/lane under non-reducing and reducing conditions, respectively.

Flow Cytometry - This antibody has been tested on mouse embryonic stem cell-derived embryoid bodies for use in flow cytometry. Dilute this antiobdy to 50 μg/mL and add 10 μL of this solution to 1 - 2.5 x 10^5 cells in a total reaction volume not exceeding 200 μL. The binding of unlabeled polyclonal antibodies may be visualized by adding stock solution of a secondary developing reagent such as anti-goat IgG conjugated to a fluorochrome.

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

R&D Systems, Inc.
1-800-343-7475

6/30/04