Anti-zebrafish Ephrin-B2 Antibody

ORDERING INFORMATION

Catalog Number: AF1088

Lot Number: GML01

Size: 100 μg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: zebrafish Ephrin-B2

Immunogen: NS0-derived rzfEphrin-B2 extracellular domain

Ig Type: goat IgG

Applications: Direct ELISA
Western blot

Preparation
Produced in goats immunized with purified, NS0-derived, recombinant zebrafish Ephrin-B2 (rzfEphrin-B2) extracellular domain. Zebrafish Ephrin-B2 specific IgG was purified by zebrafish Ephrin-B2 affinity chromatography.

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

Endotoxin Level
< 0.1 EU per 1 μg of the antibody as determined by the LAL method.

Reconstitution
Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 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 rzfEphrin-B2 in direct ELISAs and western blots.

Applications
Direct ELISA - This antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect zebrafish Ephrin-B2. The detection limit for rzfEphrin-B2 is approximately 0.5 ng/well. In this format, this antibody shows approximately 5% cross-reactivity with rmEphrin-B2 and less than 1% cross-reactivity with rhEphrin-A4, rmEphrin-A2, rmEphrin-A1, rhEphrin-B3, rmEphrin-B1, rhEphrin-A3, rhEphrin-A5 and rmEphrin-A4.

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect zebrafish Ephrin-B2. The detection limit for rzfEphrin-B2 is approximately 2 ng/lane under non-reducing and reducing conditions.

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

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