Anti-mouse Alkaline Phosphatase/ALPL Antibody

ORDERING INFORMATION

Catalog Number: AF2910

Lot Number: WYM01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Alkaline Phosphatase

Immunogen: NS0-derived rmALPL (aa 18 - 503)

Ig Type: goat IgG

Applications: Western blot
Immunoprecipitation
Direct ELISA

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Alkaline Phosphatase encoded by the ALPL gene (rmALPL; aa 18 - 503; R&D Systems' Catalog # 2910-AP). Mouse Alkaline Phosphatase specific IgG was purified by mouse Alkaline Phosphatase affinity chromatography.

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 Alkaline Phosphatase in direct ELISAs and western blots. In these formats, this antibody shows approximately 60% cross-reactivity with rhALPL.

Applications

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

Immunoprecipitation - This antibody has been used to immunoprecipitate rmALPL from conditioned media of transfected NS0 cells.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Alkaline Phosphatase. The detection limit for rmALPL is approximately 0.1 ng/well.

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

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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