



Anti-mouse CD72 Antibody

ORDERING INFORMATION

Catalog Number: AF1279

Lot Number: HWQ01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse CD72

Immunogen: NS0-derived rmCD72 extracellular domain

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant C-terminal extracellular domain of mouse CD72 (rmCD72). Mouse CD72 specific IgG was purified by mouse CD72 affinity chromatography. CD72, also named B-cell differentiation antigen Lyb-2, is a Type II transmembrane protein with a C-type lectin domain. It associates with CD5 and is a functional receptor for Semaphorin 4D in the immune system.

Formulation

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

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 mouse CD72 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 mouse CD72. The detection limit for rmCD72 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 CD72. The detection limit for rmCD72 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 1% cross-reactivity with rhCD72.

Immunohistochemistry - This antibody will detect CD72 in cells and tissues. The working dilution is 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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