



Anti-rat B7-2 Antibody

ORDERING INFORMATION

Catalog Number: AF1340

Lot Number: IQX01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: rat B7-2

Immunogen: NS0-derived rrB7-2
extracellular domain

Ig Type: goat IgG

Applications: Western blot
Immunohistochemistry
Flow cytometry
ELISA capture

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant rat B7-2 (rrB7-2) extracellular domain. Rat B7-2 specific IgG was purified by rat B7-2 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 rat B7-2 in the applications listed below.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect rat B7-2. The detection limit for rrB7-2 is approximately 2 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect B7-2 in cells and tissues. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems Cell and Tissue Staining Kits (CTS Series).

Flow cytometry - This antibody can be used at 3 - 10 µg/mL/10⁶ cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

ELISA capture - This product can be used as a capture reagent in a rat B7-2 sandwich immunoassay in combination with biotinylated rat B7-2 detection antibody (Cat. # BAF1340) and recombinant rat B7-2 (Cat. # 1340-B2) as the standard. The suggested coating concentration range is 0.2 - 0.8 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/MAPELISA. In this format, less than 20% cross-reactivity with rmB7-2 and less than 0.2% cross-reactivity with rrB7-1, rmB7-1 and rhB7-2 is observed.

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

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

1/23/08