Anti-equine IL-2 Antibody

ORDERING INFORMATION

Catalog Number: AF1613

Lot Number: KGH01

Size: 100 μg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: equine IL-2

Immunogen: *E. coli*-derived reqIL-2

Ig Type: goat IgG

Applications: Western blot
Immunocytochemistry
ELISA capture

Preparation
Produced in goats immunized with purified, *E. coli*-derived, recombinant equine interleukin 2 (reqIL-2). Equine IL-2 specific IgG was purified by equine IL-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 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 equine IL-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 equine IL-2. The detection limit for reqIL-2 is approximately 1 ng/lane under non-reducing and reducing conditions.

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

ELISA capture - This product can be used as a capture reagent in a equine IL-2 sandwich immunoassay in combination with biotinylated equine IL-2 detection antibody (Cat. # BAF1613) and recombinant equine IL-2 (Cat. # 1613-IL) 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 0.3% cross-reactivity is observed with rhIL-2, rmIL-2, rrIL-2, rfeIL-2, rbIL-2, rcaIL-2, rcrIL-2 and rpIL-2.

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

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10/13/08