Anti-rhesus macaque TNF-α/TNFSF1A Antibody

ORDERING INFORMATION

Catalog Number: AF1070

Lot Number: HNP01

Size: 100 μg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: rhesus macaque TNF-α

Immunogen: *E. coli*-derived rrmTNF-α

Ig Type: goat IgG

Applications: Direct ELISA
Western blot

Preparation
Produced in goats immunized with purified, *E. coli*-derived, recombinant rhesus macaque tumor necrosis factor alpha (rrmTNF-α). Rhesus macaque TNF-α specific IgG was purified by rhesus macaque TNF-α affinity chromatography.

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

Endotoxin Level
< 0.2 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 rhesus macaque and human TNF-α 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 rhesus macaque and human TNF-α. The detection limit for rrmTNF-α and rhTNF-α is approximately 0.15 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect rhesus macaque and human TNF-α. The detection limit for rrmTNF-α and rhTNF-α is approximately 0.2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 20% cross-reactivity with rmTNF-α, rrTNF-α, rcrTNF-α and less than 1% cross-reactivity with rpTNF-α, rhTRANCE, rhTWEAK, rhAPRIL, rhGITR Ligand, rhFas Ligand and rhOX40 Ligand.

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

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