Specializing in custom-made chicken antibodies against "difficult" antigens.

PRODUCT SPECIFICATIONS

Product Description: **Anti-mouse Prostatic Acid Phosphatase (PAP) Antibody chicken polyclonal antibody mixture**

Catalog Number: PAP

Lot Number: PAP0309

Antibody Concentration: 10.0 mg / ml (based on absorbance at 280 nm)

Volume: Regular and sample vials contain 200 ul of this antibody mixture

Physical State: Liquid

Buffer: Phosphate-buffered saline (PBS) (pH 7.2), sodium azide (0.02%, w/v) (as an anti-microbial agent).

Production: Chickens were immunized with recombinant mouse Prostatic Acid Phosphatase protein. After repeated injections, immune eggs were collected from laying hens, from which IgY antibody were prepared ("anti-PAP IgY fraction"). Some of this antibody was further purified using an agarose matrix to which the PAP protein was convalently attached ("Affinity-purified anti-PAP"). The final preparation in the accompanying vial contains 10 mg/ml of the "anti-PAP IgY fraction" supplemented with 20 mg/ml of the "affinity-purified anti-PAP" plus 50% (v/v) glycerol (to prevent freezing at –20˚C). Finally, this antibody preparation was filter-sterilized (0.45 mm) and 200 ul aliquots prepared.

Quality Control: Antibodies were analyzed using immunohistochemistry with tissue sections through a 10%-formalin fixed adult mouse. Sections were examined for PAP-positive dorsal root ganglion sensory neurons. Secondary antibodies (fluorescein-labeled goat anti-chicken IgY, Aves Cat. #F-1004) were used at a concentration of 1:500.

Recommended Storage Conditions: **Store at -20°C in the dark.** Under these conditions, the antibodies should have a shelf life of at least 2 years (provided they remain sterile). For longer storage periods, store at -80°C. Note that storage at this lower temperature will destroy some antibody activity due to water crystallization.

Note: These antibodies are meant to be used as research laboratory reagents and are not for diagnostic purposes or for therapeutic usage in humans.

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