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ImmunO™

Donkey Anti-Goat IgG (H + L Chain)

Affinity Purified, AMCA Conjugate

Catalog #: 67110

Lot #: Typical

Form: A lyophilized powder in 0.01M sodium phosphate buffer, pH 7.6, containing 0.25M NaCl, 15 mg/ml BSA, 0.01% thimerosal and 0.05% sodium azide.

Specificity: Based on immunoelectrophoresis:

The antibody reacts with the heavy chains on goat IgG and with light chains common to most mouse immunoglobulins. No antibody was detected against non-immunoglobulin serum proteins, but antibodies may cross-react with immunoglobulins from other species.

Preparation: The antibody was isolated from antisera by immunoaffinity chromatography using antigens coupled to agarose beads.

Reconstitution: Reconstitute with 1.1 ml distilled water.

Antibody

Concentration: 1.5 mg/ml

Fluorophore/ Protein

Absorbance Ratio: $A_{350}/A_{280} = 0.54$

Storage: The lyophilized material may be stored at 2-8°C until opened. Reconstituted material will be stable for several weeks at 2-8°C in the undiluted state. Diluted antibody conjugate should not be used for more than 1 day. For extended storage after reconstitution, we suggest the addition of an equal volume of glycerol to make a final glycerol concentration of 50% followed by storage at -20°C, with or without aliquoting. Please note that the concentration of protein and buffer salts will decrease to one-half of the original after the addition of glycerol.

Use: Allow to sit at room This antibody-enzyme conjugate is recommended for procedures requiring fluorescent probes. AMCA conjugates are useful for second or third labels when multiple labeling is required. Overlap with fluorescein is minimal and there is none with other fluorophores.

Dilution: A suggested dilution range for most immunochemical procedures is 1:50 to 1:200.

Note: The fluorophore 7-amino-4-methylcoumarin-3-acetic acid (AMCA) has an absorption maximum at 350 nm and emission maximum at 450 nm. The blue fluorescence of AMCA requires a shorter exposure time to photograph. Another advantage is that fluorescence does not fade as rapidly as fluorescein (Khalfan et al.).

Reference: Khalfan, et al., *Histochem. J.* **18**, 496, 1986.

AMCA™ fluorophore is a trademark of BioCarb Chemicals.


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Control # R070

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Megan Bowers -- Edited document on 08/27/2018

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