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AP31789FC-N Polyclonal Antibody to HA Epitope Tag (YPYDVPDYA) - FITC

Alternate names: HA Tag, HA-Tag, Hemagglutinin Tag

Quantity: 1 ml

Concentration: 0.1 mg / ml (based on absorbance at 280 nm)

Host / Isotype: Chicken / Ig

Immunogen: Synthetic peptide containing the Influenza Hemaglutinin epitope (YPYDVPDYA) conjugated to Keyhole Limpet Hemocyanin (KLH). After repeated injections, immune eggs were collected, from which the IgY fractions were prepared.

Format:
State: Liquid purified (0.45 µm filter sterilized) IgY fraction.
Purification: Affinity Chromatography using a peptide column.
Buffer System: PBS, pH 7.2 containing 0.2% BSA as stabilizer and 0.02% Sodium Azide as preservative.
Label: FITC – Fluorescein
Absorption / Emission: Ratio of absorbance at 495/280 = 0.88
Molar Ratio: F/P = 3.6

Applications:
ELISA.
Western Blot.
Immunocytochemistry.
Immunohistochemistry (1/250).
Quality Control: Antibodies were analyzed using ELISA and western blot analyses prior to labeling with Fluorescein. ELISA analysis involved plates coated with peptide conjugated to a different carrier protein.
Detection of the Chicken anti-HA antibodies was accomplished using HRP-labeled Goat anti-Chicken IgY at a dilution of 1/10,000. Under these conditions, the unlabelled Chicken anti-HA antibodies (diluted 1/10,000) produced an optical density of › 1.0 in a 15 minute reaction using Tetramethylbenzidine as the substrate.
By western blot, the unlabeled antibodies were diluted 1/1,000 and gave a prominent band using HRP-labeled Goat anti-Chicken IgY at a dilution of 1/10,000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: HA (Influenza Hemaglutinin) epitope tag.

Storage: Store the antibody undiluted in the dark at 2-8°C.
Shelf life: one year from despatch.