



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

## **PRODUCT SPECIFICATIONS**

<b>Product Description:</b>	<b>Fluorescein-labeled anti-HA (hemagglutinin) Epitope Antibody</b>
<b>Catalog Number:</b>	ET-HA100FL
<b>Antibody Concentration:</b>	0.1 mg / ml (based on absorbance at 280 nm)
<b>Volume:</b>	1.0 ml
<b>Analysis:</b>	Ratio of absorbance at 495/280 = 0.88 Molar F/P ratio= 3.6
<b>Physical State:</b>	Liquid
<b>Buffer:</b>	Phosphate-buffered saline (PBS) (pH 7.2), bovine serum albumin (0.2%, w/v), sodium azide (0.02%, w/v) (as an anti-microbial agent).
<b>Production:</b>	Chickens were immunized with a synthetic peptide containing the influenza hemagglutinin epitope (YPYDVPDYA) conjugated to keyhole limpet hemocyanin. After repeated injections, immune eggs were collected, from which the IgY fractions were prepared. These fractions were then affinity-purified using a peptide column, coupled to fluorescein isothiocyanate, and filter-sterilized (0.45 µm).
<b>Quality Control:</b>	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 horseradish peroxidase (HRP)-labeled goat anti-chicken IgY (Aves Labs) 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 horseradish peroxidase (HRP)-labeled goat anti-chicken IgY (Aves Labs) at a dilution of 1:10,000.
<b>Recommended Storage Conditions:</b>	<b>Store at 4°C in the dark.</b> Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). For longer storage periods, dilute the antibodies with sterile glycerol and store at -20°C. Do not freeze these antibodies unless you want to store them for longer periods of time.

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