



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

## **PRODUCT SPECIFICATIONS**

<b>Product Description:</b>	<b>Anti-Prion Protein (Chicken Antibodies, AP antibodies in IgY Fraction)</b>
<b>Catalog Number:</b>	PRN
<b>Lot Number:</b>	0613RN13
<b>Antibody Concentration:</b>	10.0 mg / ml (based on absorbance at 280 nm)
<b>Volume:</b>	200 ul
<b>Host Animal:</b>	Chicken
<b>Target Species:</b>	Human
<b>Physical State:</b>	Liquid
<b>Buffer:</b>	Sodium phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), glycerol (50%, v/v), with sodium azide (0.02%,w/v) as an anti-microbial agent.
<b>Production:</b>	Chickens were immunized with a recombinant fragment of the human prion protein emulsified with Freund's complete and incomplete adjuvants. After multiple injections, eggs were collected from the hens, and IgY fractions were prepared from the yolks. Affinity-purified antibodies were then prepared using an agarose column to which the recombinant protein fragments were covalently attached. Finally, affinity purified antibodies (50 ug/ml final concentration) were mixed with the IgY fraction (10 mg/ml final concentration) in a mixture containing glycerol (50% v/v) (to prevent freezing at -20°C) and 0.02% sodium azide.
<b>Quality Control:</b>	Antibodies were analyzed by immunocytochemistry (1:1000 dilution) using cells transfected with the prion protein cDNA.
<b>Recommended Storage Conditions:</b>	<b>Store at -20°C in the dark.</b> 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.