

Certificate of Analysis

Product: Goat anti-Chicken IgY (H&L), ALP Conjugate

Part Number: GtxCk-003-DALP

Lot Number: 79-109-051121

Amount: 1.0 mg @ 1.50 mg/ml (E¹% at 280 nm = 13.0)

Label: Alkaline Phosphatase (ALP)

Form: Clear, colorless liquid

Purification: Affinity purified using solid phase Chicken IgY

Purity: Affinity purified antibody is ≥ 95 % based on SDS-PAGE

Host: Goat

Immunogen: Purified Chicken IgY, whole molecule

Buffer: 30 mM Triethanolamine, pH 7.2, 5 mM Magnesium Chloride, 0.1 mM Zinc Chloride, 1 % (w/v) BSA, Protease/IgG free

Preservative: 0.05 % (w/v) Sodium Azide

Storage: Store undiluted liquid at 2-8 °C. For storage at -20 °C dilute with an equal volume of glycerol to prevent loss of enzymatic activity. Prepare working dilution prior to use and then discard.

Shelf Life: 1 year from date of receipt

Specificity: Based on IEP, this antibody reacts with:

- heavy (γ) chains on Chicken IgY
- light chains on all Chicken immunoglobulins

Cross Reactivity: Based on IEP, no reactivity is observed to:

- non-immunoglobulin Chicken serum proteins

Country of Origin: Goat antiserum was obtained from healthy animals of US origin and under the care of a registered veterinarian.

Note: Conjugate prepared using Part # GtxCk-003-D, lot # 65-161-061919.

Applications: The optimal working dilution should be determined by the investigator.
Suitable for use in: ELISA, WB, IHC
Suggested starting dilutions:

- 1:500-1:2,000 for Immunohistochemistry
- 1:500-1:8,000 for ELISA/Western blot

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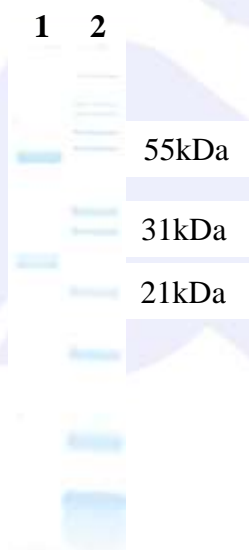
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Testing Results

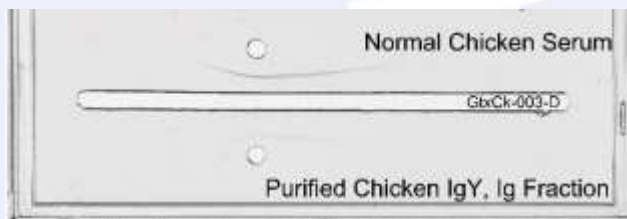
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear and Colorless	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Chicken IgYlight chains on all Chicken immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">non-immunoglobulin Chicken serum proteins	PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Chicken IgY coated at $2\mu\text{g/ml}$	1:8,740

SDS PAGE



Immunoelectrophoresis (IEP)



- 1) GtxCk-003-D, Lot # 65-161-061919
- 2) Mol Weight Standard

Date: May 13, 2021

Signature: _____

Lee Beardsley, Ph.D.

Quality Control