

Certificate of Analysis

Product: Goat anti-Human IgG (H&L), ALP Conjugate

Part Number: GtxHu-003-DALP
Lot Number: 79-107-051121
Amount: 1.0 mg of antibody at 1.50 mg/ml (E^{1%} at 280 nm = 13.0)
Label: Alkaline Phosphatase (ALP)
Form: Clear, colorless liquid
Purification: Affinity purified using solid phase Human IgG.
Purity: ≥ 95 % based on SDS-PAGE.
Host: Goat
Immunogen: Purified Human IgG, 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 Human IgG
- light chains on Human immunoglobulins

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

- non-immunoglobulin Human serum proteins

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

Note: This conjugate was prepared using Part # GtxHu-003-D, Lot # 80-68-032621.

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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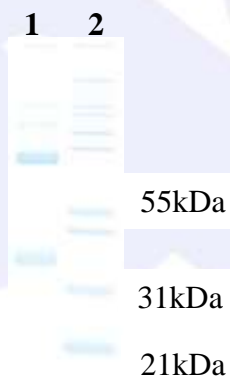
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Testing Results

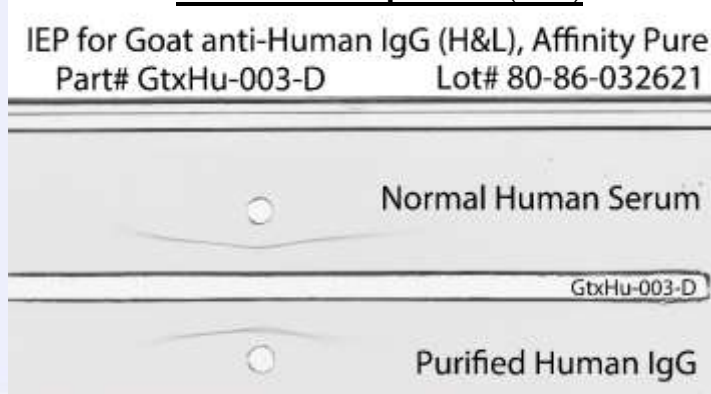
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	One predominant band at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Human IgGlight chains on Human immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none">non-immunoglobulin Human serum proteins	PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Human IgG coated at 2 $\mu\text{g/ml}$	1:11,050

SDS-PAGE



Immuno-electrophoresis (IEP)



- 1) GtxHu-003-D, Lot # 80-68-032621
- 2) Mol Weight Standard

Date: May 13, 2021

Signature: Lee Bordelon, Ph.D.
Quality Control