
Certificate of Analysis

Product: Goat anti-Guinea Pig IgG (H&L), HRP Conjugate

Part Number: GtxGp-003-DHRPX
Lot Number: 77-21-030520
Amount: 1.0 mg of lyophilized antibody (E^{1%} at 280 nm = 13.0)
(Product has been overfilled to ensure maximum recovery)

Label: Horseradish Peroxidase (HRP)
Form: Lyophilized
Purification: Affinity purified using solid phase Guinea Pig IgG
Purity: Affinity purified antibody is ≥ 95 % based on SDS-PAGE
Host: Goat
Immunogen: Purified Guinea Pig IgG, whole molecule
Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free

Preservative: 0.1 % (v/v) Kathon CG – *Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase*

Reconstitution: Rehydrate with 1.1 ml of deionized water. Allow reconstituted product to stand at room temperature for at least 30 minutes prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.

Storage: Store lyophilized material at 2-8 °C. For storage at -20 °C after reconstitution, 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 Guinea Pig IgG
- light chains on all Guinea Pig immunoglobulins

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

- non-immunoglobulin Guinea Pig 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 # GtxGp-003-D, Lot # 69-1-020619.

Applications: This conjugate is suitable for use in: ELISA, WB, IHC, CL. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:500-1:5,000 for Immunohistochemistry
- 1:200-1:5,000 for ELISA/Western blot

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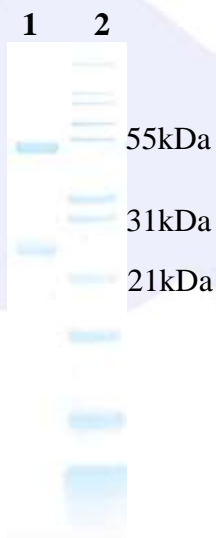
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Testing Results

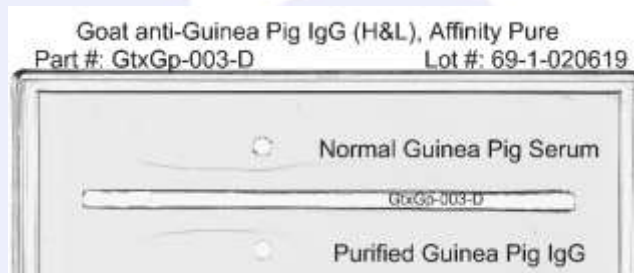
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PART NUMBER: GtxGp-003-DHRPX
LOT NUMBER: 77-21-030520

<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish powder	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 Guinea Pig IgGlight chains on all Guinea Pig immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none">non-immunoglobulin Guinea Pig serum proteins	PASS
ELISA:	Dilution giving A^{450} reading of ≥ 1.0 when tested against Guinea Pig IgG (H&L) coated at 2 $\mu\text{g}/\text{ml}$	1:145,000

SDS-PAGE



Immunoelectrophoresis (IEP)



- 1) GtxGp-003-D, Lot # 69-1-020619
- 2) Mol Weight Standard

Date: May 20, 2020

Signature: _____


Quality Control