

Certificate of Analysis

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

Part Number: GtxLI-003-DHRPX
Lot Number: 67-138-031820
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 Llama IgG
Purity: Affinity purified antibody is ≥ 95 % based on SDS-PAGE
Host: Goat
Immunogen: Purified Llama 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 Llama IgG
- light chains on all Llama immunoglobulins

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

- non-immunoglobulin Llama 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 # GtxLI-003-D, Lot # 41-19-060614

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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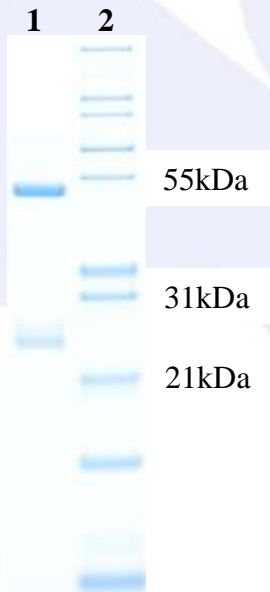
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

PRODUCT: Goat anti-Llama IgG (H&L), HRP Conjugate
PART NUMBER: GtxLI-003-DHRPX
LOT NUMBER: 67-138-021820

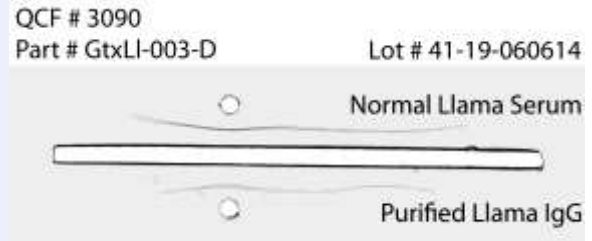
<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy (γ) chains on Llama IgG • light chains on all Llama immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin Llama serum proteins 	PASS
ELISA:	Dilution giving A^{450} reading of ≥ 1.0 when tested against Llama IgG (H&L) coated at 2 $\mu\text{g/ml}$	1:121,000

SDS-PAGE



- 1) GtxLI-003-D, Lot # 41-19-060614
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: March 31, 2020

Signature: 
 Quality Control