**Certificate of Analysis**

Product: Goat anti-Rabbit IgG (H&L), DyLight® 594 Conjugate

Part Number: GtxRb-003-D594NHSX

Lot Number: 69-40-061419

Amount: 1.0 mg of lyophilized antibody (E 1% at 280 nm = 13.0)

Fluorophore: DyLight® 594 (Ex = 593 nm; Em = 618 nm)

Fluor/Protein Ratio: 5.1 Moles DyLight® 594 per Mole Antibody

Purification: Antibody was affinity purified using solid phase Rabbit IgG

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

Host: Goat

Immunogen: Purified Rabbit IgG, whole molecule

Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2,

1 % (w/v) BSA, Protease/IgG free

Preservative: 0.05 % (w/v) Sodium Azide

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 ºC. 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 Rabbit IgG
* light chains on all Rabbit immunoglobulins

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

* non-immunoglobulin Rabbit serum proteins

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

Note: This conjugate was prepared using Part # GtxRb-003-D, Lot # 41-191-091217.

Applications: This conjugate is suitable for immunomicroscopy and flow cytometry. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

* 1:20 – 1:2,000 for most applications

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**Testing Results**

**PRODUCT:** Goat anti-Rabbit IgG (H&L), DyLight® 594 Conjugate

**Part NUMBER:** GtxRb-003-D594NHSX

**LOT NUMBER:** 69-40-061419

**TESTS** **SPECIFICATIONS** **RESULTS**

Appearance: Red to purple 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:

* heavy (γ) chains on Rabbit IgG PASS
* light chains on all Rabbit immunoglobulins PASS

Cross Reactivity: Based on IEP, no precipitin bands are observed to:

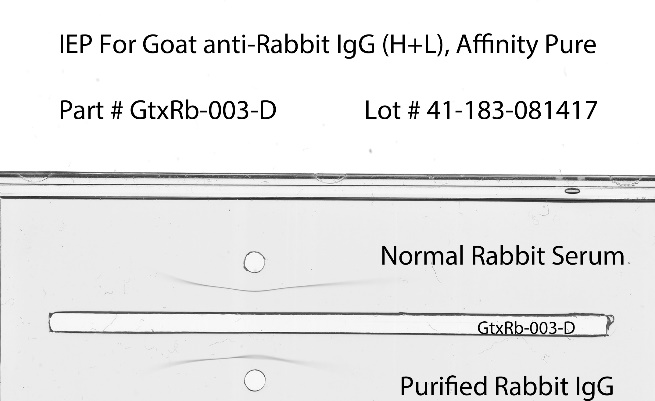
* non-immunoglobulin Rabbit serum proteins PASS

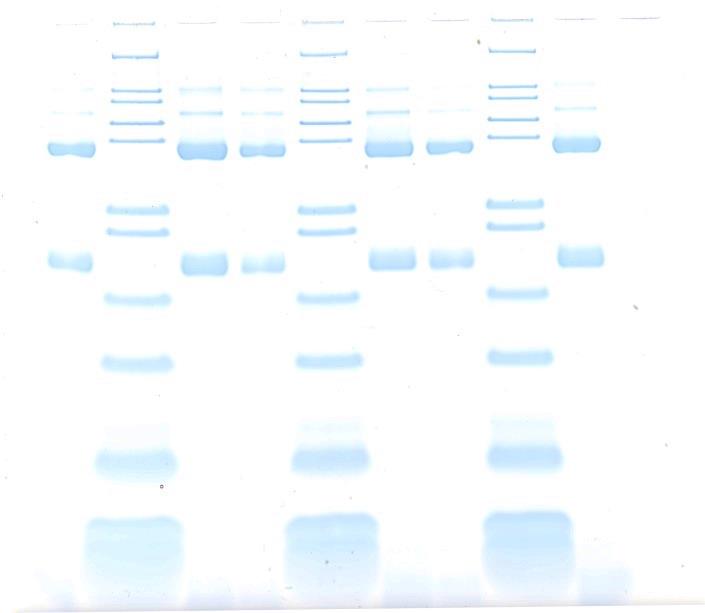
FLISA: Mean fluorescent value of 8 µg/ml of DyLight® conjugate 667 MFI’s

when tested against Rabbit IgG coated at 4 µg/ml

F.I.T.: Mean fluorescent intensity of a 1:1000 dilution at 1259 MFI’s

Ex-593 nm (+/-9)/Em-618 nm (+/-9)

** SDS-PAGE** **Immunoelectrophoresis (IEP)**

 **1 2**

55kDa

31kDa

21kDa

1. GtxRb-003-D, Lot # 41-191-091217
2. Mol Weight Standard

Date: June 20, 2019 Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quality Control