
Certificate of Analysis

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

Part Number: GtxRt-003-DHRPX
Lot Number: 68-22-120618
Amount: 1.0 mg of lyophilized antibody at 1.00 mg/ml ($E^{1\%}$ 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 Rat IgG
Purity: Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE
Host: Goat
Immunogen: Purified Rat 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 least 30 minutes at room temperature prior to dilution. If necessary, centrifuge to remove any particulates.

Storage: Store lyophilized material at 2-8 °C. For long term storage after reconstitution, dilute with 50 % glycerol and store at -20 °C as a liquid. 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 Rat IgG
- light chains on all Rat immunoglobulins

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

- non-immunoglobulin Rat 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 # GtxRt-003-D, Lot # 35-17-012814.

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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Testing Results

PRODUCT: Goat anti-Rat IgG (H&L), HRP Conjugate
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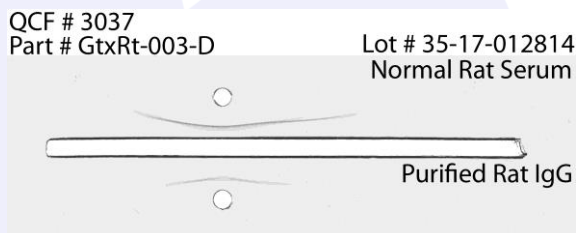
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Rat IgGlight chains on all Rat immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">non-immunoglobulin Rat serum proteins	PASS
ELISA:	Dilution giving A^{450} reading of ≥ 1.0 when tested against Rat IgG (H&L) coated at 2 $\mu\text{g/ml}$	1:146,000

SDS-PAGE



- 1) GtxRt-003-D, Lot # 35-17-012814
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: December 20, 2018

Signature: _____

Quality Control