

Certificate of Analysis

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

Part Number: GtxRt-003-E2HRPX

Lot Number: 67-139-021820

Amount: 1.0 mg of lyophilized antibody (E¹% 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 ≥ 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 for at least 30 minutes at room temperature prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.

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
- IgG from Human or Mouse

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-E2, Lot # 77-1-011620

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-Rat IgG (H&L), HRP Conjugate**PART NUMBER:** GtxRt-003-E2HRPX**LOT NUMBER:** 67-139-021820

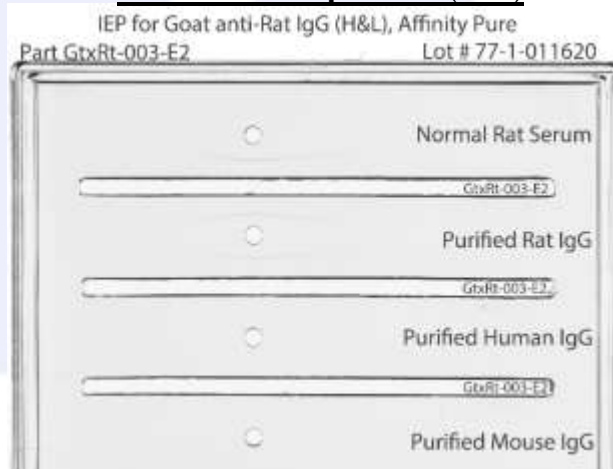
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Rat IgGlight chains on all 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 proteinsIgG from Human or Mouse	PASS PASS
ELISA:	Dilution giving A^{450} reading of ≥ 1.0 when tested against Rat IgG (H&L) coated at 2 $\mu\text{g/ml}$	1:99,000

SDS-PAGE




- 1) GtxRt-003-E2, Lot # 77-1-011620
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: March 31, 2020

Signature: 

Quality Control