
Certificate of Analysis

Product:	Goat anti-rat IgG (H&L), Biotin Conjugate
Part Number:	GtxRt-003-EBIO
Lot Number:	70-92-102919
Amount:	2 mg of antibody at 1.50 mg/ml ($E^{1\%}$ at 280 nm = 13.0)
Label:	NHS-LC-Biotin
Purification:	Antibody was 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:	0.05 % (w/v) Sodium Azide
Storage:	2-8 ° C
Shelf Life:	1 year from date of receipt
Specificity:	Based on IEP, this antibody reacts with: <ul style="list-style-type: none">• heavy (γ) chains on rat IgG• light chains on all rat immunoglobulins
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">• non-immunoglobulin rat serum proteins• IgG from human or mouse
Country of Origin:	Goat serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.
Note:	This product was prepared by conjugating Part # GtxRt-003-E, lot # 58-117-040418
Applications:	This conjugate is suitable for all immunoassay applications. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s): <ul style="list-style-type: none">• 1:20,000 – 1:500,000 for ELISA/Western blot• 1:500 – 1:5,000 for Immunohistochemistry
Disclaimer:	<i>For in vitro Laboratory Use Only.</i> Not for diagnostic or therapeutic use. Not for human or animal consumption. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license under any patent of ImmunoReagents, Inc.

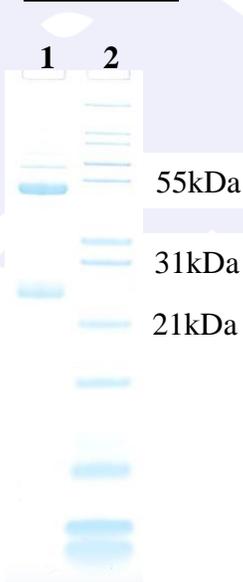
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

PRODUCT: Goat anti-rat IgG (H&L), Biotin Conjugate
PART NUMBER: GtxRt-003-EBIO
LOT NUMBER: 70-92-102919

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear and colorless	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 IgG • light chains on all rat immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to:	
	<ul style="list-style-type: none"> • non-immunoglobulin rat serum proteins • IgG from human or mouse 	PASS PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against rat IgG coated at $2\mu\text{g/ml}$	1: 899,000

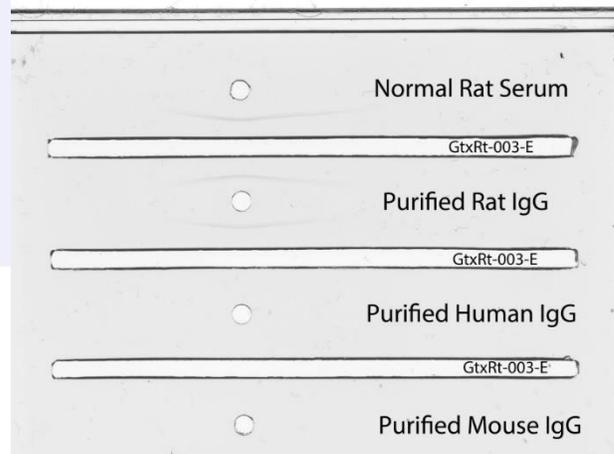
SDS PAGE



- 1) GtxRt-003-E, Lot # 58-117-040418
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)

IEP For Goat anti-Rat IgG (H+L), Affinity Pure
 Part # GtxRt-003-E Lot # 58-117-040418



Date: November 6, 2019

Signature: _____

 Quality Control