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## Certificate of Analysis

Product:	Goat anti-Rat IgG (H&L), Affinity Pure
Part Number:	GtxRt-003-F2
Lot Number:	27-188-031914
Concentration:	10.1 mg/ml ( $E^{1\%}$ at 280 nm = 14.0)
Amount:	1.0 mg
Form:	Clear, colorless liquid, 0.2 $\mu$ m filtered
Purification:	Affinity purified using solid phase Rat IgG
Purity:	$\geq 95$ % 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
Preservative:	0.05 % (w/v) Sodium Azide
Storage:	2 - 8 $^{\circ}$ C
Expiration Date:	January 15, 2022
Specificity:	Based on IEP, this antibody reacts with: <ul style="list-style-type: none"><li>• heavy (<math>\gamma</math>) chains on Rat IgG</li><li>• light chains on all Rat immunoglobulins</li></ul>
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• non-immunoglobulin Rat serum proteins</li><li>• IgG from Goat, Hamster, Human, Mouse, or Rabbit</li><li>• serum proteins from Bovine, Goat, Horse, Human, Mouse, or Rabbit</li></ul>
Country of Origin:	Goat serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.
Applications:	Suitable for use in: ELISA, WB, IHC, ICC, CL, FACS, IM, IF The optimal working dilution should be determined by the investigator.
Disclaimer:	<i>For in vitro Laboratory Use Only.</i> Not for diagnostic or therapeutic use. Not for human or animal consumption. The proper selection and use of our products is the sole responsibility of the end user, and therefore we can offer no guarantee to a specific experimental outcome. 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

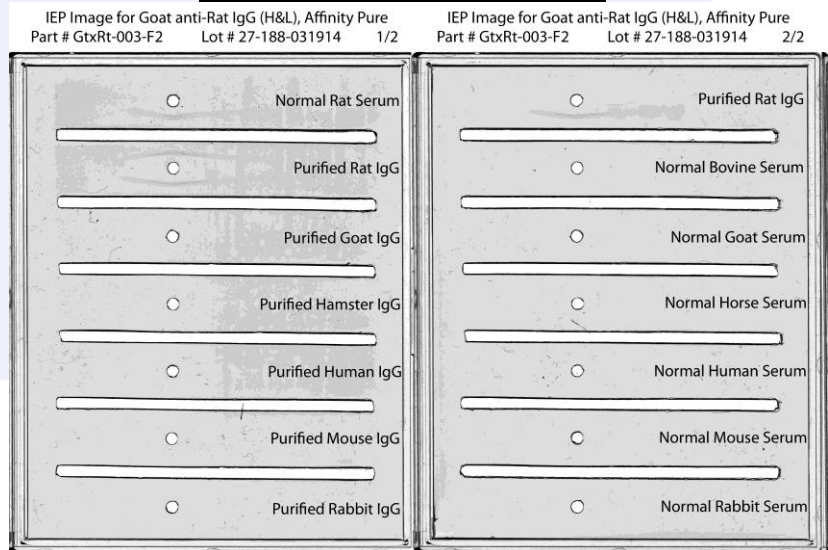
**PRODUCT:** Goat anti-Rat IgG (H&L), Affinity Pure  
**PART NUMBER:** GtxRt-003-F2  
**LOT NUMBER:** 27-188-031914

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	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"> <li>• heavy (<math>\gamma</math>) chains on Rat IgG</li> <li>• light chains on all Rat immunoglobulins</li> </ul>	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to:	
	• non-immunoglobulin Rat serum proteins	PASS
	• IgG from Goat, Hamster, Human, Mouse, or Rabbit	PASS
	• serum proteins from Bovine, Goat, Horse, Human, Mouse, or Rabbit	PASS

### SDS-PAGE



### Immunoelectrophoresis (IEP)



- 1) GtxRt-003-F2, Lot # 27-188-031914
- 2) Mol Weight Standard

Date: January 15, 2020

Signature: \_\_\_\_\_  
Quality Control