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## Certificate of Analysis

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| Product:           | Goat anti-Rat IgG (H&L), Affinity Pure   |
| Part Number:       | GtxRt-003-F2   |
| Lot Number:        | 22-187-030612  |
| Concentration:     | 11.2 mg/ml (E <sup>1%</sup> at 280 nm = 13.0)  |
| Amount:            | 1.0 mg   |
| Form:              | Clear, colorless liquid, 0.2 µm filtered   |
| Purification:      | Affinity purified using solid phase Rat IgG  |
| Purity:            | ≥ 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 °C   |
| Expiration Date:   | January 15, 2022   |
| Specificity:       | Based on IEP, this antibody reacts with: <ul style="list-style-type: none"><li>• heavy (γ) 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:      | This antibody is suitable for use in most immunoassay formats for the detection of Rat IgG or as a capture antibody in ELISA type formats. This antibody is suitable for use in Western ImmunoBlots and ImmunoHistoChemistry (IHC). 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.<br><b>Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.</b> |

## Testing Results

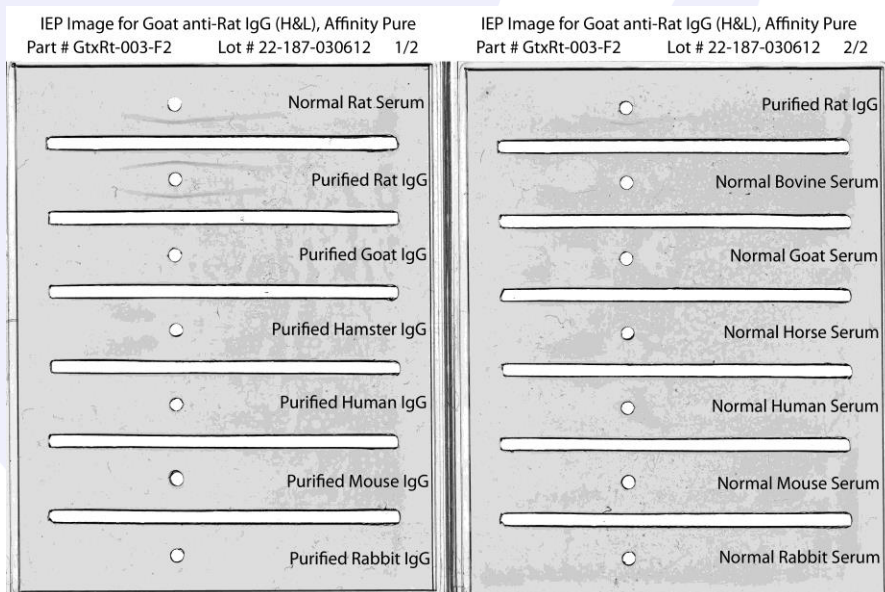
**PRODUCT:** Goat anti-Rat IgG (H&L), Affinity Pure  
**PART NUMBER:** GtxRt-003-F2  
**LOT NUMBER:** 22-187-030612

| <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<br>PASS         |
| Cross Reactivity: | Based on IEP, no precipitin bands are 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> | PASS<br>PASS<br>PASS |

### SDS-PAGE



### Immuno-electrophoresis (IEP)



- 1) GtxRt-003-F2, Lot# 22-187-030612
- 2) Mol Weight Standard

Date: January 15, 2020

Signature: \_\_\_\_\_

  
Quality Control