

## Certificate of Analysis

|                    |  |
|--------------------|--|
| Product:           | Goat anti-Mouse IgG (H&L), F(ab)'2 Fragment  |
| Part Number:       | GtxMu-003-L2   |
| Lot Number:        | 65-138-040319  |
| Concentration:     | 10.2 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 Mouse IgG.<br>F(ab)'2 fragment was prepared by pepsin digestion.   |
| Purity:            | Affinity purified antibody is ≥ 90 % based on SDS-PAGE.<br>Small amounts of intact IgG may be present.   |
| Host:              | Goat   |
| Immunogen:         | Purified Mouse 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:   | April 03, 2022   |
| Specificity:       | Based on IEP, this antibody reacts with: <ul style="list-style-type: none"><li>• heavy (γ) chains on Mouse IgG</li><li>• light chains on all Mouse immunoglobulins</li></ul>   |
| Cross Reactivity:  | Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• non-immunoglobulin Mouse serum proteins</li><li>• IgG from Bovine, Goat, Human, Rabbit, or Rat</li></ul> Based on ELISA, this antibody has ≤ 1 % reactivity to: <ul style="list-style-type: none"><li>• Rat IgG</li></ul>  |
| Country of Origin: | Goat serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.   |
| Applications:      | The optimal working dilution should be determined by the investigator.<br>Suitable for use in: ELISA, IP, IDA, WB, IHC. Suitable for multiple labeling experiments.  |
| 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. |

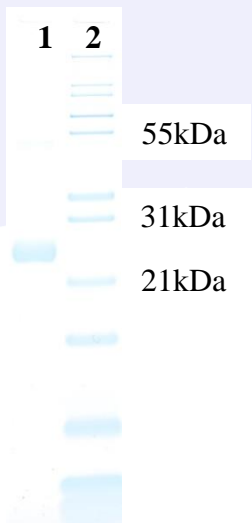
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Goat anti-Mouse IgG (H&L), F(ab)'2 Fragment  
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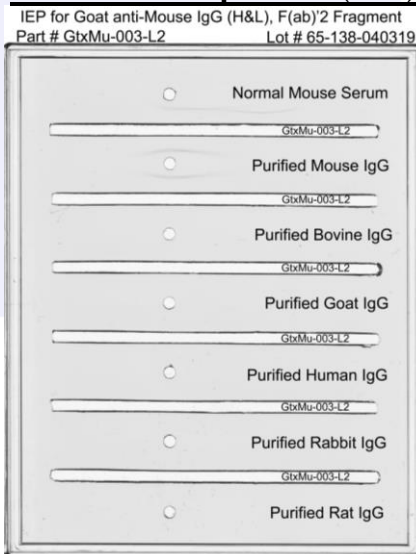
| <u>TESTS</u>      | <u>SPECIFICATIONS</u>  | <u>RESULTS</u> |
|-------------------|--|----------------|
| Appearance:       | Clear, colorless liquid  | PASS           |
| Purity:           | One predominant band 24 kDa based on SDS-PAGE  | PASS           |
| Specificity:      | Based on IEP, this antibody has precipitin bands with:   |                |
|                   | <ul style="list-style-type: none"> <li>• heavy (<math>\gamma</math>) chains on Mouse IgG</li> <li>• light chains on all Mouse 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 Mouse serum proteins</li> <li>• IgG from Bovine, Goat, Human, Rabbit, or Rat</li> </ul>      | PASS<br>PASS   |
|                   | Based on ELISA:  |                |
|                   | <ul style="list-style-type: none"> <li>• <math>\leq 1</math> % percent reactivity to Rat IgG</li> </ul>  | PASS           |

### SDS-PAGE



- 1) GtxMu-003-L2, Lot # 65-138-040319
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: April 5, 2019

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