

## Certificate of Analysis

|                      |   |
|----------------------|---|
| Product:             | Goat anti-mouse IgG (H&L), DyLight® 594 Conjugate   |
| Part Number:         | GtxMu-003-E594NHSX  |
| Lot Number:          | 75-93-061220  |
| Amount:              | 1.0 of antibody lyophilized (E <sup>1%</sup> at 280 nm = 13.0)  |
| Fluorophore:         | DyLight® 594 (Ex = 593 nm; Em = 618 nm)   |
| Fluor/Protein Ratio: | 4.6 Moles DyLight® 594 per Mole Antibody  |
| Purification:        | Antibody was affinity purified using solid phase Mouse IgG  |
| Purity:              | Affinity purified antibody is ≥ 95% based on SDS-PAGE   |
| Host:                | Goat  |
| Immunogen:           | Purified Mouse IgG, whole molecule  |
| Buffer:              | 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2,<br>1 % (w/v) BSA, Protease/IgG free   |
| Preservative:        | 0.05 % (w/v) Sodium Azide   |
| 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 freeze dried powder at 2-8°C.   |
| Shelf Life:          | Product is stable for up to 4 weeks at 2-8°C after rehydration. For extended storage after rehydration, add an equal volume of glycerol and store at -20°C.   |
| 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>• human IgG or serum proteins</li></ul>   |
| Country of Origin:   | Goat serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.  |
| Note:                | Conjugate prepared using Part # GtxMu-003-E, lot # 69-33-052819.  |
| Applications:        | This conjugate is suitable for immunomicroscopy and flow cytometry. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s): <ul style="list-style-type: none"><li>• 1:20 – 1:2,000 for most applications</li></ul>   |
| 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.<br><b>Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.</b> |

## Testing Results

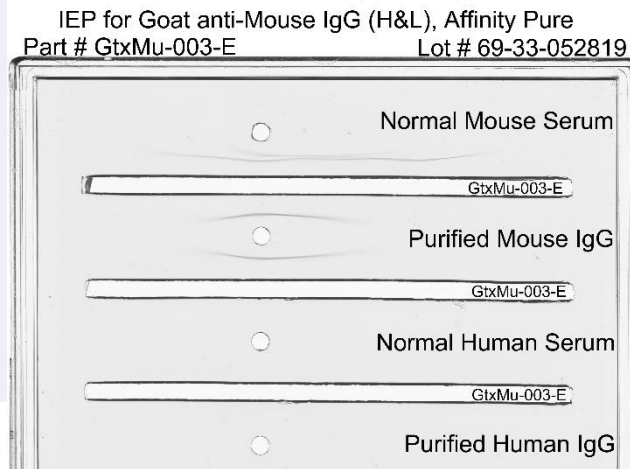
**PRODUCT:** Goat anti-mouse IgG (H&L), DyLight® 594 Conjugate  
**PART NUMBER:** GtxMu-003-E594NHSX  
**LOT NUMBER:** 75-93-061220

| <u>TESTS</u>      | <u>SPECIFICATIONS</u>   | <u>RESULTS</u> |
|-------------------|---|----------------|
| Appearance:       | Red to Purple 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"> <li>• heavy (γ) 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>• human IgG or serum proteins</li> </ul>         | PASS<br>PASS   |
| FLISA:            | Mean fluorescent value of 8μg/ml of DyLight® conjugate when tested against mouse IgG coated at 4 μg/ml.   | 910 MFI's      |

### SDS PAGE



### Immunoelectrophoresis (IEP)



- 1) GtxMu-003-E, Lot # 69-33-052819
- 2) Mol Weight Standard

Date: June 19, 2020

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

Quality Control