

---

---

## Certificate of Analysis

|                      |  |
|----------------------|--|
| Product:             | Goat anti-Mouse IgG (H&L), DyLight® 633 Conjugate  |
| Part Number:         | GtxMu-003-D633NHSX   |
| Lot Number:          | 58-186-092818  |
| Amount:              | 1.0 mg of lyophilized antibody (E <sup>1%</sup> at 280 nm = 13.0)<br>(Product has been overfilled to ensure maximum recovery)  |
| Fluorophore:         | DyLight® 633 (Amax = 638 nm; Emax = 658 nm)  |
| Fluor/Protein Ratio: | 4.0 Moles DyLight® 633 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, 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 at room temperature for at least 30 minutes prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.   |
| Storage:             | Store lyophilized material at 2-8 °C. For storage at -20 °C after reconstitution, dilute with an equal volume of glycerol to prevent loss of enzymatic activity. Prepare working dilution prior to use and then discard.   |
| Shelf Life:          | 1 year from date of receipt  |
| 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></ul>  |
| Country of Origin:   | Goat serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.   |
| Note:                | This conjugate was prepared using Part # GtxMu-003-D, Lot # 61-65-030818   |
| Applications:        | This conjugate is suitable for use in: FLISA, WB, IF, IM, FACS<br>The optimal working dilution should be determined by the investigator.<br>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. 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-Mouse IgG (H&L), DyLight® 633 Conjugate  
**PART NUMBER:** GtxMu-003-D633NHSX  
**LOT NUMBER:** 58-186-092818

| <u>TESTS</u>      | <u>SPECIFICATIONS</u>   | <u>RESULTS</u> |
|-------------------|---|----------------|
| Appearance:       | Green 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> </ul>  | PASS           |
| FLISA:            | Mean fluorescent value of 8μg/ml of DyLight® conjugate when tested against Mouse IgG coated at 4 μg/ml  | 348 MFI's      |
| F.I.T.:           | Mean fluorescent intensity of a 1:1000 dilution at Ex-638 nm (+/-9)/Em-658 nm (+/-9)  | 352 MFI's      |

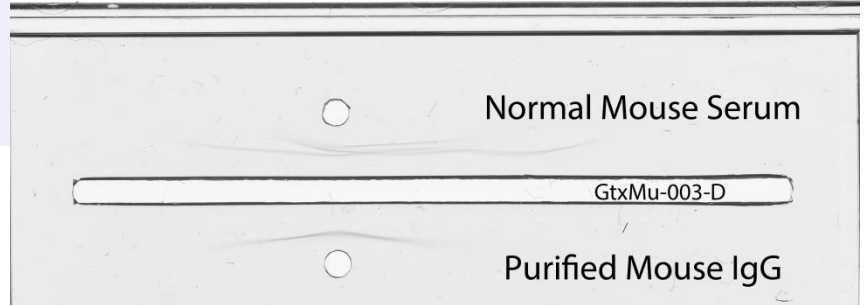
### SDS-PAGE



- 1) GtxMu-003-D, Lot # 61-65-030818
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)

IEP For Goat anti-Mouse IgG (H+L), Affinity Pure  
 Part # GtxMu-003-D Lot # 61-65-030818



Date: October 12, 2018

Signature:   
 Quality Control