

---

---

## Certificate of Analysis

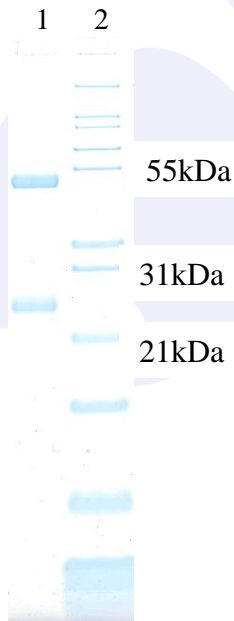
Product:	Goat anti-Mouse IgG (H&L), DyLight® 550 Conjugate
Part Number:	GtxMu-003-E550NHSX
Lot Number:	69-184-062920
Amount:	1.0 mg of antibody lyophilized (E <sup>1%</sup> at 280 nm = 13.0) (Product has been overfilled to ensure maximum recovery)
Fluorophore:	DyLight® 550 (Ex = 562 nm; Em = 576 nm)
Fluor/Protein Ratio:	5.6 Moles DyLight® 550 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 solution to stand at room temperature for at least 30 minutes to dissolve. Centrifuge to remove any remaining 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 mouse 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. <b>Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.</b>

## Testing Results

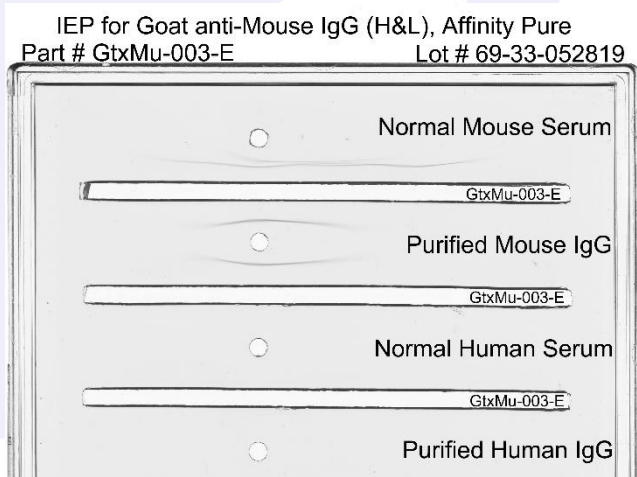
**PRODUCT:** Goat anti-Mouse IgG (H&L), DyLight® 550 Conjugate  
**PART NUMBER:** GtxMu-003-E550NHSX  
**LOT NUMBER:** 69-184-062920

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Pink fluorescent 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 (<math>\gamma</math>) chains on Mouse IgG</li> <li>• light chains on all Mouse immunoglobulins</li> </ul>	PASS 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 PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of DyLight® conjugate when tested against Mouse IgG coated at 4 $\mu\text{g/ml}$	1352 MFI's

### SDS-PAGE



### Immunoelectrophoresis (IEP)



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

Date: July 10, 2020

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

*Lee Beardsley, Ph.D.*

Quality Control