

## Certificate of Analysis

**Product:** Goat anti-Mouse IgG (H&L), Biotin Conjugate

**Part Number:** GtxMu-003-EBIO  
**Lot Number:** 75-14-102219  
**Amount:** 2.0 mg of antibody at 1.50 mg/ml ( $E^{1\%}$  at 280 nm = 13.0)  
**Purification:** Antibody was purified using solid phase Mouse IgG  
**Purity:** Affinity purified antibody is  $\geq 95\%$  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  
**Storage:** Store undiluted liquid at 2 - 8 °C. 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:

- heavy ( $\gamma$ ) chains on Mouse IgG
- light chains on all Mouse immunoglobulins

**Cross Reactivity:** Based on IEP, no reactivity is observed to:

- non-immunoglobulin Mouse serum proteins
- Human IgG or serum proteins

**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-E, Lot # 65-111-022819.

**Applications:** This conjugate is suitable for use in: ELISA, WB, IHC, FACS. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:20,000 – 1:500,000 for ELISA/Western blot
- 1:500 – 1:5,000 for Immunohistochemistry

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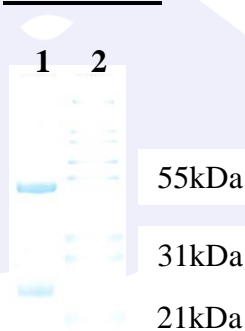
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## Testing Results

**PRODUCT:** Goat anti-Mouse IgG (H&L), Biotin Conjugate  
**PART NUMBER:** GtxMu-003-EBIO  
**LOT NUMBER:** 75-14-102219

<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 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
ELISA:	Dilution giving $A^{405}$ reading of $\geq 1.0$ when tested against Mouse IgG (H&L) coated at 2 $\mu\text{g/ml}$	1: 875,000

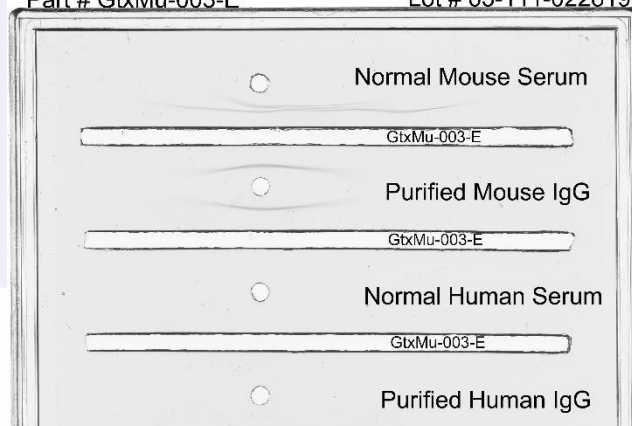
### SDS-PAGE



- 1) GtxMu-003-E, Lot # 65-111-022819  
2) Mol Weight Standard

### Immunoelectrophoresis (IEP)

IEP for Goat anti-Mouse IgG (H&L), Affinity Pure  
Part # GtxMu-003-E Lot # 65-111-022819



Date: October 30, 2019

Signature:   
Quality Control