

Certificate of Analysis

Product: Goat anti-Mouse IgG (H&L), Biotin Conjugate
Part Number: GtxMu-003-DBIO
Lot Number: 90-41-022521
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 (γ) 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

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 # 69-137-022620.
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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Testing Results

PRODUCT: Goat anti-Mouse IgG (H&L), Biotin Conjugate
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| <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">heavy (γ) chains on Mouse IgGlight chains on all Mouse immunoglobulins | PASS PASS |
| Cross Reactivity: | Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none">non-immunoglobulin Mouse serum proteins | PASS |
| ELISA: | Dilution giving A^{405} reading of ≥ 1.0 when tested against Mouse IgG (H&L) coated at 2 $\mu\text{g/ml}$ | 1: 750,000 |

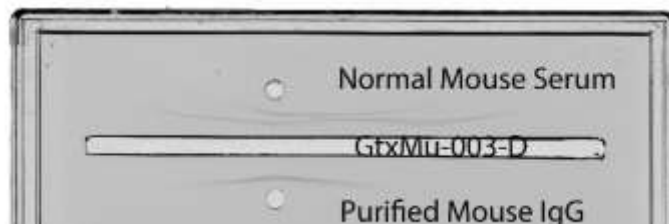
SDS-PAGE



- 1) GtxMu-003-D, Lot # 69-137-022620
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)

IEP for Goat anti-Mouse IgG (H&L), Affinity Pure
Part # GtxMu-003-D Lot # 69-137-022620



Date: March 2, 2021 _____

Signature: Lee Borchdon, Ph.D.
Quality Control