
Certificate of Analysis

Product: Goat anti-Mouse IgG (H&L), DyLight® 550 Conjugate

Part Number: GtxMu-003-D550NHSX

Lot Number: 81-40-120920

Amount: 1.0 mg of lyophilized antibody ($E^{1\%}$ at 280 nm = 13.0)
(Product has been overfilled to ensure maximum recovery)

Fluorophore: DyLight® 550 (E_x = 562 nm; E_m = 576 nm)

Fluor/Protein Ratio: 5.7 Moles DyLight® 550 per Mole Antibody

Purification: Antibody was affinity 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

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:

- 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: FLISA, WB, IF, IM, FACS. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:20 – 1:2,000 for most applications

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Testing Results

PRODUCT: Goat anti-Mouse IgG (H&L), DyLight® 550 Conjugate
PART NUMBER: GtxMu-003-D550NHSX
LOT NUMBER: 81-40-120920

<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">heavy (γ) chains on Mouse IgGlight chains on all Mouse immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">non-immunoglobulin Mouse serum proteins	PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of DyLight® conjugate when tested against Mouse IgG coated at 4 μ g/ml	292 MFI's

SDS-PAGE

1 2

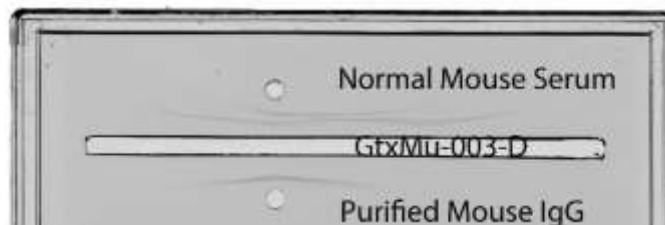
55kDa

31kDa

21kDa

Immunoelectrophoresis (IEP)

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



GtxMu-003-D, Lot # 69-137-022620

1) Mol Weight Standard

Date: December 14, 2020

Signature: _____



Quality Control