
Certificate of Analysis

Product: Goat anti-Mouse IgG Fc, FITC Conjugate

Part Number: GtxMu-004-EFITC

Lot Number: 81-8-090920

Amount: 2.0 mg of antibody at 1.50 mg/ml ($E^{1\%}$ at 280 nm = 13.0)

Fluorophore: Fluorescein-5-isothiocyanate (A_{max} = 494 nm; E_{max} = 518 nm)

Fluor/Protein Ratio: 7.9 Moles FITC per Mole Antibody

Form: Clear, fluorescent yellow liquid

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 Fc

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

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

- non-immunoglobulin Mouse serum proteins
- light chains on all Mouse immunoglobulins
- Mouse IgG, F(ab)'₂ fragment
- serum proteins from bovine, horse, or human

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-004-E, Lot # 67-75-062719

Applications: This conjugate is suitable for immunomicroscopy and flow cytometry. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:20 – 1:2,000 for Immunohistochemistry
- 1:50 – 1:5,000 for Immunocytochemistry

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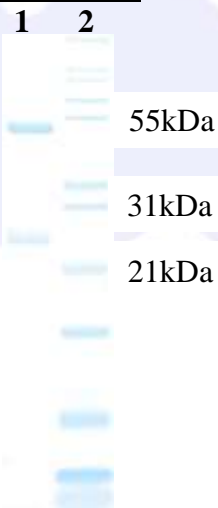
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Testing Results

PRODUCT: Goat anti-Mouse IgG Fc, FITC Conjugate
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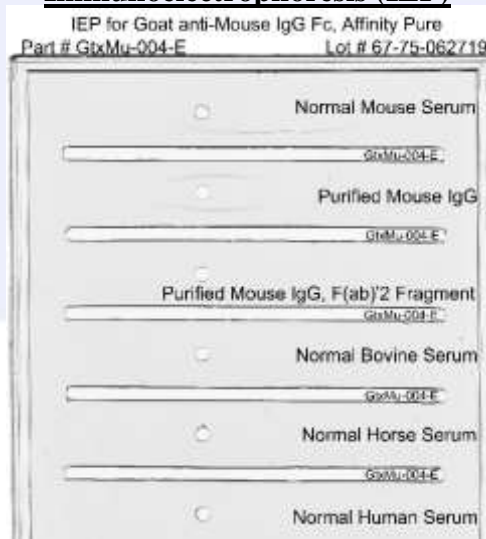
<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy (γ) chains on Mouse IgG 	PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin Mouse serum proteins • light chains on all Mouse immunoglobulins • Mouse IgG F(ab)'2 fragment • serum proteins from Bovine, Horse, or Human 	PASS PASS PASS PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of FITC conjugate when tested against normal Mouse IgG coated at 4 μ g/ml	1572 MFI's

SDS-PAGE



- 1) GtxMu-004-E, Lot # 67-75-062719
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: September 16, 2020

Signature: _____
 Quality Control