

Certificate of Analysis

Product: Goat anti-Human IgG Fc, FITC Conjugate

Part Number: GtxHu-004-F2FITC
Lot Number: 79-21-090920
Amount: 1.0 mg of antibody at 1.50 mg/ml ($E^{1\%}$ at 280 nm = 13.0)
Form: Clear, fluorescent yellow liquid
Fluorophore: Fluorescein-5-isothiocyanate (FITC), Ex = 494 nm; Em = 518 nm
Fluor/Protein Ratio: 7.4 Moles FITC per Mole Antibody
Form: Clear, fluorescent yellow liquid
Purification: Antibody was affinity purified using solid phase Human IgG
Purity: Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE
Host: Goat
Immunogen: Purified Human 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 Human IgG

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

- light chains on all Human immunoglobulins
- non-immunoglobulin Human serum proteins
- Human IgA or IgM
- serum proteins from Bovine, Horse, Mouse or Rabbit

Country of Origin: Goat antiserum was obtained from healthy animals of US origin and under the care of a registered veterinarian.

Note: This conjugate was prepared using Part # GtxHu-004-F2, Lot # 69-54-072619.

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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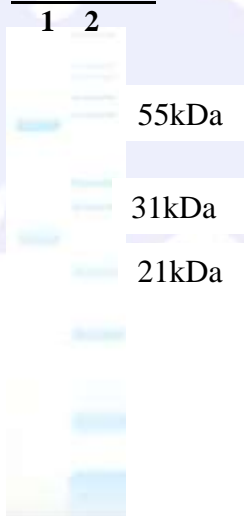
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Testing Results

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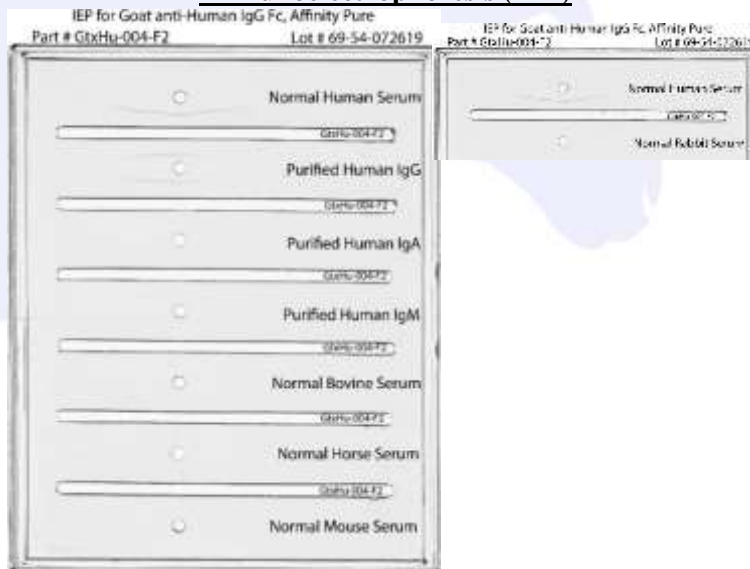
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Clear, fluorescent yellow liquid	PASS
Purity	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity	Based on IEP, this antibody has a precipitin band against: <ul style="list-style-type: none">heavy (γ) chains on Human IgG	PASS
Cross Reactivity	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">light chains on all Human immunoglobulinsnon-immunoglobulin Human serum proteinsHuman IgA or IgMserum proteins from Bovine, Horse, Mouse or Rabbit	PASS PASS PASS PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of FITC conjugate when tested against normal Human IgG coated at 4 $\mu\text{g/ml}$	1725 MFI's

SDS-PAGE



- 1) GtxHu-004-F2, Lot # 69-54-072619
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: September 14, 2020

Signature: _____



Quality Control