
Certificate of Analysis

Product: Goat anti-Rat IgG (H&L), F(ab)'2 Fragment, FITC Conjugate

Part Number: GtxRt-003-J2FITC
Lot Number: 80-30-113020
Amount: 0.5 mg of antibody at 1.50 mg/ml (E^{1%} at 280 nm = 13.0)
Fluorophore: Fluorescein-5-isothiocyanate (FITC)
Amax = 494 nm; Emax = 518 nm

Fluor/Protein Ratio: 9.2 Moles FITC per Mole Antibody
Form: Clear, fluorescent yellow liquid
Purification: Antibody was affinity purified using solid phase Rat IgG. F(ab)'2 fragment was prepared by pepsin digestion.

Purity: Affinity purified antibody is ≥ 90 % based on SDS-PAGE. Small amounts of intact IgG may be present.

Host: Goat
Immunogen: Purified Rat 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 Rat IgG
- light chains on all Rat immunoglobulins

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

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

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

Note: This conjugate was prepared using Part # GtxRt-003-J2, Lot # 41-4-040814.
Applications: This conjugate is suitable for use in: FLISA, IF, IM, IHC, FACS. 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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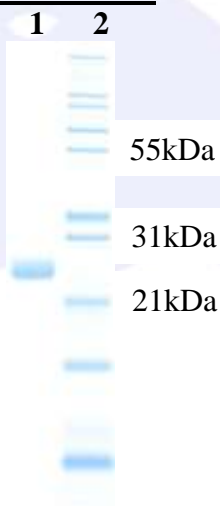
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Testing Results

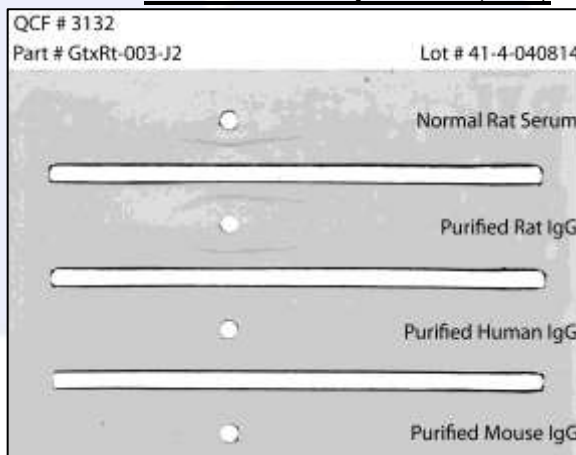
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	One predominant band at 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy (γ) chains on Rat IgG • light chains on all Rat immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin Rat serum proteins • IgG from Human or Mouse 	PASS PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of FITC conjugate when tested against normal Rat IgG coated at 4 μ g/ml	2165 MFI's

SDS-PAGE



Immunoelectrophoresis (IEP)



- 1) GtxRt-003-J2, Lot # 41-4-040814
- 2) Mol Weight Standard

Date: December 3, 2020

Signature: _____
 Quality Control