

Certificate of Analysis

Product: Goat anti-Rat IgG (H&L), FITC Conjugate

Part Number: GtxRt-003-DFITC

Lot Number: 90-116-082021

Amount: 2.0 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: 7.1 Moles FITC per Mole Antibody

Form: Clear, fluorescent yellow liquid

Purification: Antibody was affinity purified using solid phase Rat IgG

Purity: Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE

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

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-D, Lot # 47-116-102516.

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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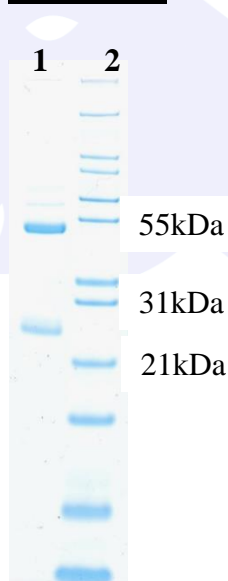
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Testing Results

PRODUCT: Goat anti-Rat IgG (H&L), FITC Conjugate
PART NUMBER: GtxRt-003-DFITC
LOT NUMBER: 90-116-082021

<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 precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Rat IgGlight 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	PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of FITC conjugate when tested against normal Rat IgG coated at 4 $\mu\text{g/ml}$	1343MFI's

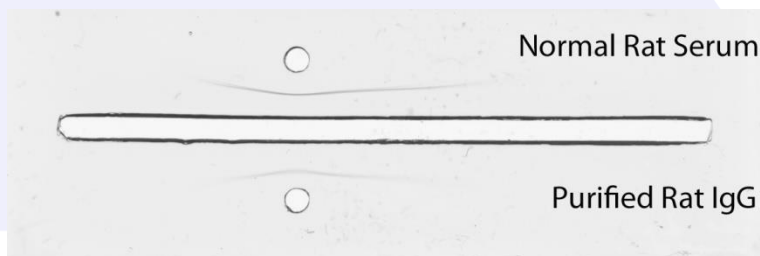
SDS-PAGE



- 1) GtxRt-003-D, Lot #47-116-102516
2) Mol Weight Standard

Immunoelectrophoresis (IEP)

IEP Image for Goat anti-Rat IgG (H&L), Affinity Pure
Part # GtxRt-003-D Lot # 47-116-102516



Date: September 1, 2021

Signature: _____

Quality Control