

## Certificate of Analysis

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

**Part Number:** GtxRt-003-E2FITC  
**Lot Number:** 80-129-081821  
**Amount:** 2.0 mg of antibody at 1.50 mg/ml (E<sup>1%</sup> at 280 nm = 13.0)  
**Fluorophore:** Fluorescein-5-isothiocyanate (FITC)  
Amax = 494 nm; Emax = 518 nm  
**Fluor/Protein Ratio:** 8.4 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 ≥ 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
- 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-E2, Lot # 77-1-011621.  
**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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**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Goat anti-Rat IgG (H&L), FITC Conjugate  
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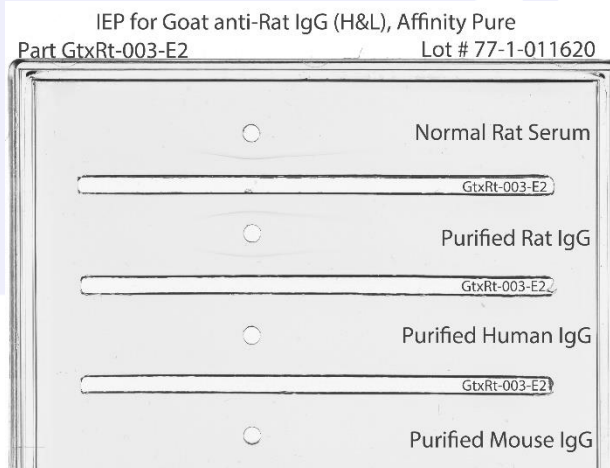
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> <li>• heavy (<math>\gamma</math>) chains on Rat IgG</li> <li>• light chains on all Rat immunoglobulins</li> </ul>	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> <li>• non-immunoglobulin Rat serum proteins</li> <li>• IgG from Human or Mouse</li> </ul>	PASS PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of FITC conjugate when tested against normal Rat IgG coated at 4 $\mu\text{g/ml}$	1194 MFI's

### SDS-PAGE



- 1) GtxRt-003-E2, Lot # 77-1-011620
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: August 23, 2021

Signature: \_\_\_\_\_  
 Quality Control