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## Certificate of Analysis

Product: Donkey anti-Rat IgG (H&L), TRITC Conjugate

Part Number: DkxRt-003-FRHOX  
Lot Number: 68-47-012919  
Amount: 1.0 mg of antibody at 1.00 mg/ml (E<sup>1%</sup> at 280 nm = 13.0)  
Form: Lyophilized  
Fluorophore: Tetramethylrhodamine-5-isothiocyanate (TRITC)  
Ex = 550 nm; Em = 570 nm

Fluor/Protein Ratio: 1.9 Moles TRITC per Mole Antibody  
Purification: Antibody was affinity purified using solid phase Rat IgG  
Purity: Affinity purified antibody is ≥ 95 % based on SDS-PAGE  
Host: Donkey  
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  
Reconstitution: Rehydrate with 1.1 ml of deionized water. Allow reconstituted product to stand at room temperature for at least 30 minutes prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.

Storage: Store lyophilized material at 2-8 °C. For storage at -20 °C after reconstitution, dilute with an equal volume of glycerol to prevent loss of enzymatic activity. 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
- serum proteins from Human or Rabbit
- IgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, or Sheep

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

Note: This conjugate was prepared using Part # DkxRt-003-F, Lot # 65-87-012119.

Applications: The optimal working dilution should be determined by the investigator.  
Suitable for use in: FLISA, FACS, IF, WB  
Suggested starting dilution(s):

- 1:20 – 1:2,000 for most applications

Disclaimer: *For in vitro Laboratory Use Only.* Not for diagnostic or therapeutic use. Not for human or animal consumption. The proper selection and use of our products is the sole responsibility of the end user, and therefore we can offer no guarantee to a specific experimental outcome. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license under any patent of ImmunoReagents, Inc.

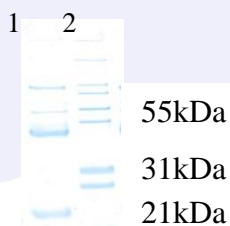
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Donkey anti-Rat IgG (H&L), TRITC Conjugate  
**PART NUMBER:** DkxRt-003-FRHOX  
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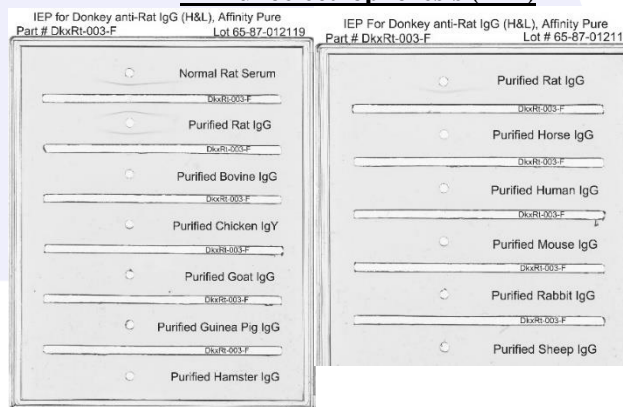
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Pink fluorescent powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> <li>• heavy (γ) chains on Rat IgG</li> <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>• serum proteins from Human or Rabbit</li> <li>• IgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, or Sheep</li> </ul>	PASS PASS PASS
FLISA:	Mean fluorescent value of 8 μg/ml of TRITC conjugate when tested against normal Rat IgG coated at 4 μg/ml	119 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-550 nm (+/-9)/Em-570 nm (+/-9)	351 MFI's

### SDS-PAGE



1) DkxRt-003-F, Lot # 65-87-012119  
 2) Mol Weight Standard

### Immuno-electrophoresis (IEP)



Date: February 11, 2019

Signature: \_\_\_\_\_  
*[Signature]*  
 Quality Control