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## Certificate of Analysis

Product:	Donkey anti-Rat IgG (H&L), F(ab)'2 Fragment, FITC Conjugate
Part Number:	DkxRt-003-LFITC
Lot Number:	67-76-070819
Amount:	0.5 mg of antibody at 1.50 mg/ml ( $E^{1\%}$ at 280 nm = 13.0)
Fluorophore:	Fluorescein-5-isothiocyanate ( $A_{max} = 494$ nm; $E_{max} = 519$ nm)
Fluor/Protein Ratio:	6.4 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 $\geq 90$ % based on SDS-PAGE. Small amounts of intact IgG may be present.
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
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: <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>
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• non-immunoglobulin Rat serum proteins</li><li>• IgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, or Sheep</li></ul>
Country of Origin:	Donkey serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.
Note:	This conjugate was prepared using Part # DkxRt-003-L, Lot # 41-24-070314.
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): <ul style="list-style-type: none"><li>• 1:20 – 1:2,000 for Immunohistochemistry</li><li>• 1:50 – 1:5,000 for Immunocytochemistry</li></ul>
Disclaimer:	<i>For in vitro Laboratory Use Only.</i> 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), F(ab)'2 Fragment, FITC Conjugate  
**PART NUMBER:** DkxRt-003-LFITC  
**LOT NUMBER:** 67-76-070819

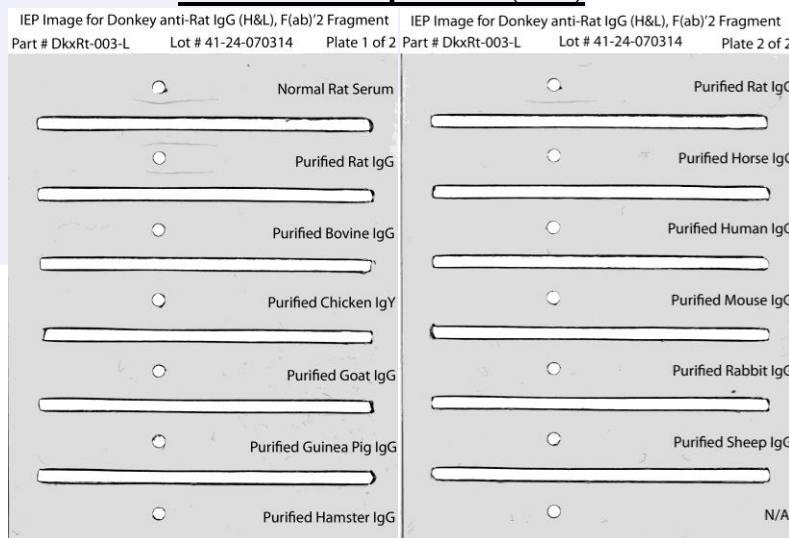
<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	One predominant band at 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> <li>• heavy (<math>\gamma</math>) chains 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 Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, or Sheep</li> </ul>	PASS PASS
FLISA:	Mean fluorescent value of 8 $\mu$ g/ml of FITC conjugate when tested against normal Rat IgG coated at 4 $\mu$ g/ml	1869 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-494 nm (+/-9)/Em-519 nm (+/-9)	8890 MFI's

### SDS-PAGE



- 1) DkxRt-003-L, Lot # 41-24-070314
- 2) Mol Weight Standard

### Immuno-electrophoresis (IEP)



Date: July 15, 2019

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

