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## Certificate of Analysis

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

Part Number: DkxRt-003-DBIO

Lot Number: 62-107-072018

Amount: 2.0 mg of antibody at 1.50 mg/ml ( $E^{1\%}$  at 280 nm = 13.0)

Purification: Antibody was purified using solid phase Rat IgG

Purity: Affinity purified antibody is  $\geq 95\%$  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

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 ( $\gamma$ ) 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: 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-D, Lot # 33-78-020514.

Applications: This conjugate is suitable for use in: ELISA, WB, IHC, FACS. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:20,000 – 1:500,000 for ELISA/Western blot
- 1:500 – 1:5,000 for Immunohistochemistry

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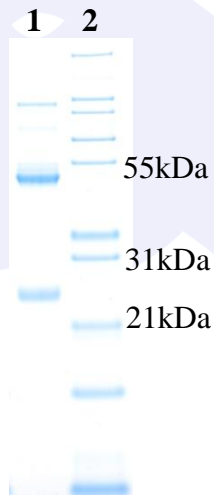
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

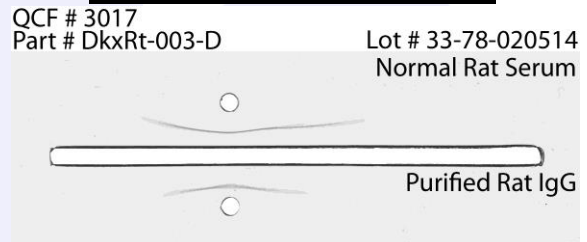
**PRODUCT:** Donkey anti-Rat IgG (H&L), Biotin Conjugate  
**PART NUMBER:** DkxRt-003-DBIO  
**LOT NUMBER:** 62-107-072018

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless 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></ul>	PASS
ELISA:	Dilution giving $A^{405}$ reading of $\geq 1.0$ when tested against Rat IgG (H&L) coated at 2 $\mu\text{g/ml}$	1: 1,350,000

### SDS-PAGE



### Immunoelectrophoresis (IEP)



- 1) DkxRt-003-D, Lot # 33-78-020514
- 2) Mol Weight Standard

Date: July 27, 2018

Signature: \_\_\_\_\_



Quality Control