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## Certificate of Analysis

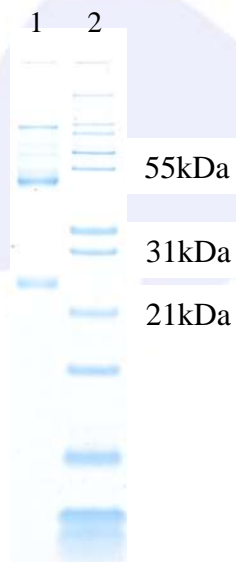
Product:	Donkey anti-Rat IgG (H&L), DyLight® 633 Conjugate
Part Number:	DkxRt-003-D633NHSX
Lot Number:	80-63-021721
Amount:	1.0 mg of lyophilized antibody (E <sup>1%</sup> at 280 nm = 13.0) (Product has been overfilled to ensure maximum recovery)
Fluorophore:	DyLight® 633 (Em = 638 nm; Ex = 658 nm)
Fluor/Protein Ratio:	3.8 Moles DyLight® 633 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: <ul style="list-style-type: none"><li>• heavy (γ) 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></ul>
Country of Origin:	Donkey antiserum 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 # 68-30-010919.
Applications:	This conjugate is suitable for immunomicroscopy and flow cytometry. 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 most applications</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. <b>Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.</b>

## Testing Results

**PRODUCT:** Donkey anti-Rat IgG (H&L), DyLight® 633 Conjugate  
**PART NUMBER:** DkxRt-003-D633NHSX  
**LOT NUMBER:** 80-63-021721

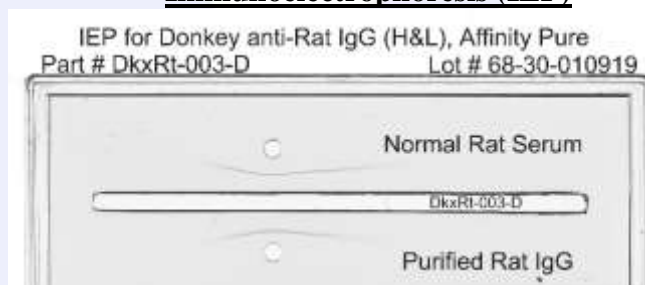
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Green powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on Rat IgG</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
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of DyLight® conjugate when tested against Rat IgG coated at 4 $\mu\text{g/ml}$	84 MFI's

### SDS-PAGE



- 1) DkxRt-003-D, Lot #68-30-010919
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: March 1, 2021

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

*Lee Berchdon, Ph.D.*

Quality Control