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## Certificate of Analysis

Product:	Donkey anti-rat IgG (H&L), DyLight® 405 Conjugate
Part Number:	DkxRt-003-D405NHSX
Lot Number:	67-25-011719
Amount:	1.0 mg of antibody lyophilized (E <sup>1%</sup> at 280 nm = 13.0)
Fluorophore:	DyLight® 405 (Ex = 400 nm; Em = 420 nm)
Fluor/Protein Ratio:	4.1 Moles DyLight® 405 per Mole Antibody
Form:	Lyophilized
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 for at least 30 minutes at room temperature prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.
Storage:	Store freeze dried powder at 2-8 °C.
Shelf Life:	Product is stable for up to 4 weeks at 2-8 °C after rehydration. For extended storage after rehydration, add an equal volume of glycerol and store at -20 °C.
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 serum was obtained from healthy animals of US origin and under the care of a registered veterinarian.
Note:	Conjugate 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. 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), DyLight® 405 Conjugate  
**PART NUMBER:** DkxRt-003-D405NHSX  
**LOT NUMBER:** 67-25-011719

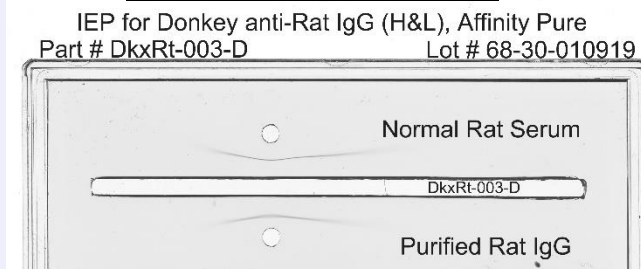
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Off-white powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands against: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on rat IgG</li><li>light chains on all rat immunoglobulins</li></ul>	PASS PASS
Cross Reactivity:	Based on IEP, no 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 $\mu$ g/ml of DyLight® conjugate when tested against rat IgG coated at 4 $\mu$ g/ml.	733 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-400 nm (+/-9) / Em-440 nm (+/-9)	2973 MFI's

### SDS PAGE



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

### Immunoelectrophoresis (IEP)



Date: January 28, 2019

Signature:   
Quality Control