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## Certificate of Analysis

Product:	Donkey anti-Mouse IgG (H&L), DyLight® 650 Conjugate
Part Number:	DkxMu-003-D650NHSX
Lot Number:	70-41-071119
Amount:	1.0 mg of antibody lyophilized ( $E^{1\%}$ at 280 nm = 13.0) (Product has been overfilled to ensure maximum recovery)
Fluorophore:	DyLight® 650 (Ex = 652 nm; Em = 672 nm)
Fluor/Protein Ratio:	2.8 Moles DyLight® 650 per Mole Antibody
Purification:	Antibody was affinity purified using solid phase Mouse IgG
Purity:	Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE
Host:	Donkey
Immunogen:	Purified Mouse 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 solution to stand at room temperature for at least 30 minutes to dissolve. Centrifuge to remove any remaining 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 (<math>\gamma</math>) chains on mouse IgG</li><li>• light chains on all mouse immunoglobulins</li></ul>
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• non-immunoglobulin mouse 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 # DkxMu-003-D, Lot # 69-12-032619
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 mouse 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. <b>Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.</b>

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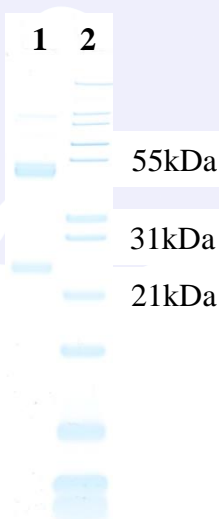
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## Testing Results

**PRODUCT:** Donkey anti-Mouse IgG (H&L), DyLight® 650 Conjugate  
**PART NUMBER:** DkxMu-003-D650NHSX  
**LOT NUMBER:** 70-41-071119

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Blue 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 (<math>\gamma</math>) chains on mouse IgG</li><li>light chains on all mouse immunoglobulins</li></ul>	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"><li>non-immunoglobulin mouse serum proteins</li></ul>	PASS
FLISA:	Mean fluorescent value of 8 $\mu$ g/ml of DyLight® conjugate when tested against mouse IgG coated at 4 $\mu$ g/ml.	708 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-652 nm (+/-9) / Em-672 nm (+/-9)	610 MFI's

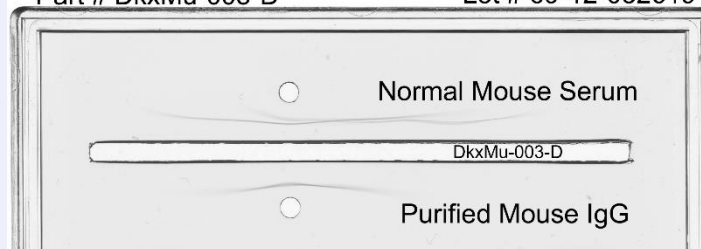
### SDS PAGE



- 1) DkxMu-003-D, Lot # 69-12-032619
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)

IEP for Donkey anti-Mouse IgG (H&L), Affinity Pure  
Part # DkxMu-003-D Lot # 69-12-032619



Date: July 18, 2019

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

  
Quality Control