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## Certificate of Analysis

Product: Donkey anti-Mouse IgG (H&L), DyLight® 550 Conjugate

Part Number: DkxMu-003-F550NHSX

Lot Number: 77-78-062121

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® 550 (Ex = 562 nm; Em = 576 nm)

Fluor/Protein Ratio: 5.2 Moles DyLight® 550 per Mole Antibody

Purification: Antibody was affinity purified using solid phase Mouse IgG

Purity: Affinity purified antibody is ≥ 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:

- heavy (γ) chains on Mouse IgG
- light chains on all Mouse immunoglobulins

Cross Reactivity: Based on IEP, no reactivity is observed to:

- non-immunoglobulin Mouse serum proteins
- IgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat, or Sheep

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 # DkxMu-003-F, Lot # 80-34-012521.

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

- 1:20 – 1:2,000 for most applications

Disclaimer: *For in vitro Laboratory Use Only.* 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.

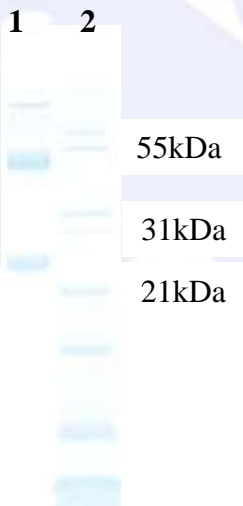
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Donkey anti-Mouse IgG (H&L), DyLight® 550 Conjugate  
**PART NUMBER:** DkxMu-003-F550NHSX  
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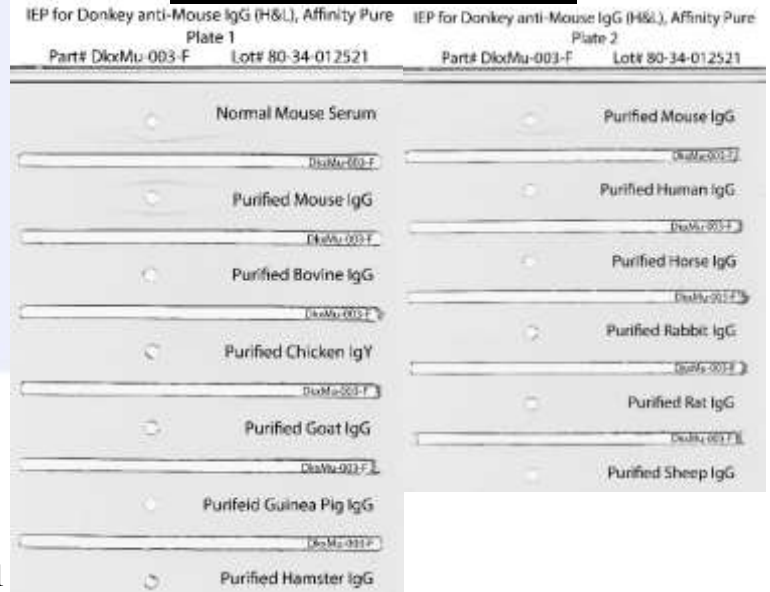
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Pink fluorescent powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> <li>• heavy (γ) chains on Mouse IgG</li> <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> <li>• IgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat, or Sheep</li> </ul>	PASS PASS
FLISA:	Mean fluorescent value of 8 μg/ml of DyLight® conjugate when tested against Mouse IgG coated at 4 μg/ml	392 MFI's

### SDS-PAGE



- 1) DkxMu-003-F, Lot # 80-34-012521
- 2) Mol Weight Standard

### Immuno-electrophoresis (IEP)



Date: July 1, 2021

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