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## Certificate of Analysis

Product: Donkey anti-Mouse IgG (H&L), F(ab)'<sub>2</sub> Fragment, FITC Conjugate

Part Number: DkxMu-003-GFITC

Lot Number: 58-159-080618

Amount: 0.5 mg of antibody at 1.50 mg/ml ( $E^{1\%}$  at 280 nm = 13.0)

Fluorophore: Fluorescein-5-isothiocyanate ( $A_{max}$  = 494 nm;  $E_{max}$  = 518 nm)

Fluor/Protein Ratio: 6.4 Moles FITC per Mole Antibody

Form: Clear, fluorescent yellow liquid

Purification: Antibody was affinity purified using solid phase Mouse IgG. F(ab)'<sub>2</sub> fragment was prepared by pepsin digestion.

Purity: Affinity purified antibody is  $\geq 90\%$  based on SDS-PAGE. Small amounts of intact IgG may be present.

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

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 Mouse IgG
- light chains on all Mouse immunoglobulins

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

- non-immunoglobulin Mouse 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 # DkxMu-003-G, Lot # 41-46-112114.

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

- 1:20 – 1:2,000 for Immunohistochemistry
- 1:50 – 1:5,000 for Immunocytochemistry

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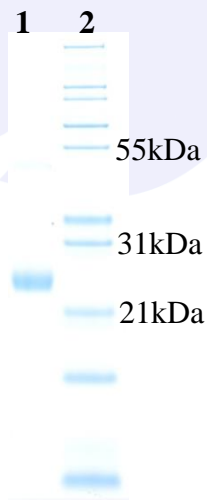
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Donkey anti-Mouse IgG (H&L), F(ab)'2 Fragment, FITC Conjugate  
**PART NUMBER:** DkxMu-003-GFITC  
**LOT NUMBER:** 58-159-080618

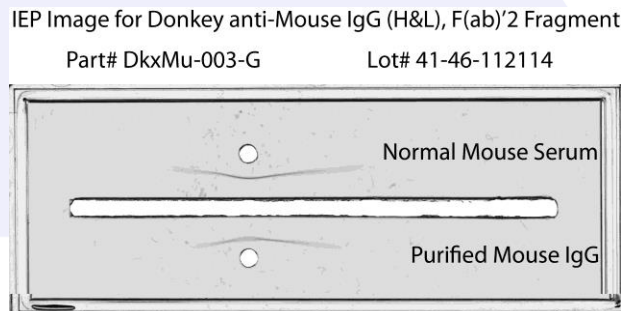
<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	One predominant band at 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on Mouse IgG</li><li>light chains on all Mouse immunoglobulins</li></ul>	PASS PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"><li>non-immunoglobulin Mouse serum proteins</li></ul>	PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of FITC conjugate when tested against normal Mouse IgG coated at 4 $\mu\text{g/ml}$	1997 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-488 nm (+/-9)/Em-518 nm (+/-9)	9818 MFI's

### SDS-PAGE



- 1) DkxMu-003-G, Lot # 41-46-112114
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: August 14, 2018

Signature: Nigel Wall  
Quality Control