
Certificate of Analysis

Product: Donkey anti-Mouse IgG (H&L), FITC Conjugate

Part Number: DkxMu-003-FFITC

Lot Number: 75-38-122019

Amount: 1.0 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} = 519 nm)

Fluor/Protein Ratio: 4.0 Moles FITC per Mole Antibody

Form: Clear, fluorescent yellow liquid

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

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 (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 # 69-26-050719.

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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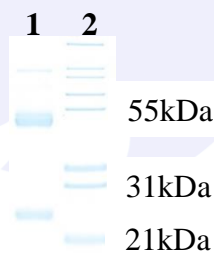
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Testing Results

PRODUCT: Donkey anti-Mouse IgG (H&L), FITC Conjugate
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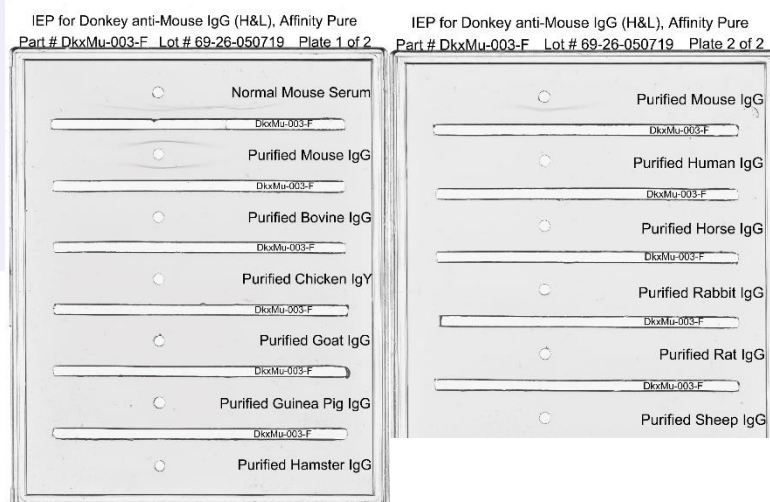
| <u>TEST</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|-------------------|---|----------------|
| Appearance: | Clear, fluorescent yellow liquid | PASS |
| Purity: | Two predominant bands at 50 and 24 kDa based on SDS-PAGE | PASS |
| Specificity: | Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Mouse IgGlight chains on all Mouse immunoglobulins | PASS PASS |
| Cross Reactivity: | Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none">non-immunoglobulin Mouse serum proteinsIgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat, or Sheep | PASS PASS |
| FLISA: | Mean fluorescent value of 8 μ g/ml of FITC conjugate when tested against normal Mouse IgG coated at 4 μ g/ml | 1697 MFI's |
| F.I.T.: | Mean fluorescent intensity of a 1:1000 dilution at Ex-494 nm (+/-9)/Em-519 nm (+/-9) | 5081 MFI's |

SDS-PAGE



- 1) DkxMu-003-F, Lot # 69-26-050719
2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: January 13, 2020

Signature: _____


Quality Control