
Certificate of Analysis

Product: Donkey anti-Rat IgG (H&L), DyLight® 488 Conjugate

Part Number: DkxRt-003-F488NHSX

Lot Number: 80-32-120820

Amount: 1.0 mg of antibody lyophilized (E^{1%} at 280 nm = 13.0)
(Product has been overfilled to ensure maximum recovery)

Fluorophore: DyLight® 488 NHS Ester (Ex = 493 nm; Em = 518 nm)

Fluor/Protein Ratio: 5.9 Moles DyLight® 488 per Mole Antibody

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:

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

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

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

Country of Origin: Donkey antiserum was obtained from healthy animals of US origin and under the care of a registered veterinarian.

Note: Conjugate prepared using Part # DkxRt-003-F, Lot # 67-122-120619.

Applications: The optimal working dilution should be determined by the investigator.
Suitable for use in: FLISA, FACS, IF, WB, IHC, ICC
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.

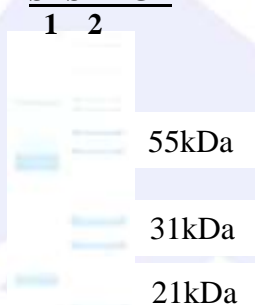
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

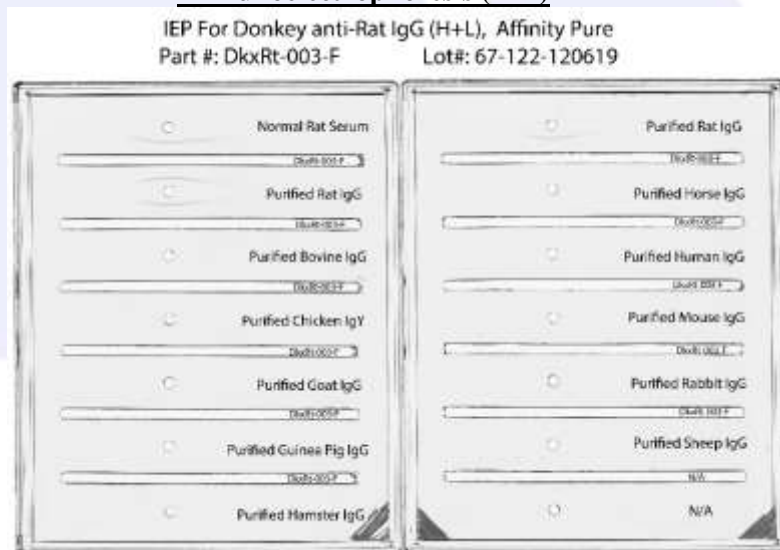
PRODUCT: Donkey anti-Rat IgG (H&L), DyLight® 488 Conjugate
PART NUMBER: DkxRt-003-F488NHSX
LOT NUMBER: 80-32-120820

| <u>TESTS</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|-------------------|---|----------------|
| Appearance: | Yellowish 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"> • heavy (γ) chains on Rat IgG • light chains on all Rat immunoglobulins | PASS PASS |
| Cross Reactivity: | Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin rat serum proteins • IgG from Bovine, Chicken, Goat, Guinea pig, Hamster, Horse, Human, Mouse, Rabbit or Sheep | PASS PASS |
| FLISA: | Mean fluorescent value of 8μg/ml of DyLight® conjugate when tested against Rat IgG coated at 4μg/ml. | 1598 MFI's |

SDS PAGE



Immunoelectrophoresis (IEP)



- 1) DkxRt-003-F, Lot # 67-122-120619
- 2) Mol Weight Standard

Date: December 14, 2020

Signature: Lee Beardsley, Ph.D
 Quality Control