
Certificate of Analysis

Product: Donkey anti-Rat IgG (H&L), DyLight® 350 Conjugate

Part Number: DkxRt-003-D350NHSX
Lot Number: 67-101-091919
Amount: 1.0 mg of lyophilized antibody (E^{1%} at 280 nm = 13.0)
(Product has been overfilled to ensure maximum recovery)

Fluorophore: DyLight® 350 (Ex = 353 nm; Em = 432 nm)
Fluor/Protein Ratio: 12 Moles DyLight® 350 per Mole Antibody
Form: Lyophilized
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

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 # DkxRt-003-D, Lot # 68-30-010919.

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

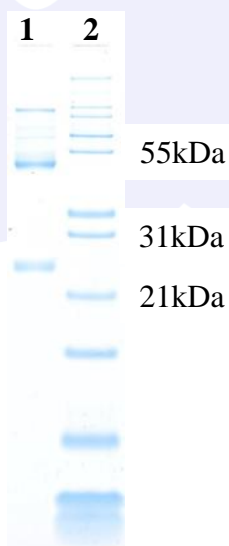
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Testing Results

PRODUCT: Donkey anti-Rat IgG (H&L), DyLight® 350 Conjugate
PART NUMBER: DkxRt-003-D350NHSX
LOT NUMBER: 67-101-091919

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	White 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 IgGlight 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	PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of DyLight® conjugate when tested against Rat IgG coated at 4 $\mu\text{g/ml}$	412 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-353 nm (+/-9)/Em-432 nm (+/-9)	1257 MFI's

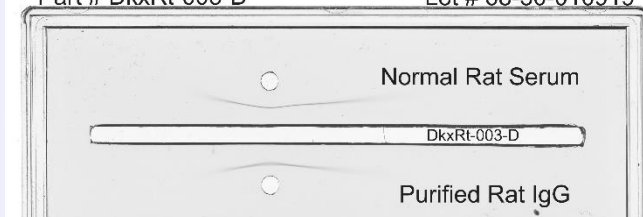
SDS-PAGE



- 1) DkxRt-003-D, Lot # 68-30-010919
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)

IEP for Donkey anti-Rat IgG (H&L), Affinity Pure
Part # DkxRt-003-D Lot # 68-30-010919



Date: October 3, 2019

Signature: _____


Quality Control

