
Certificate of Analysis

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

Part Number: DkxSh-003-D488NHSX

Lot Number: 77-92-081621

Amount: 1.0 mg of antibody lyophilized ($E^{1\%}$ at 280 nm = 13.0)

Fluorophore: DyLight® 488 NHS (E_x = 493 nm; E_{max} = 518 nm)

Fluor/Protein Ratio: 5.7 Moles DyLight® 488 per Mole Antibody

Purification: Antibody was affinity purified using solid phase Sheep IgG

Purity: Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE

Host: Donkey

Immunogen: Purified Sheep 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 sheep IgG
- light chains on all sheep immunoglobulins

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

- non-immunoglobulin sheep serum proteins

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

Note: Conjugate prepared using Part # DkxSh-003-D, lot # 70-28-061019.

Applications: This conjugate is suitable for immunomicroscopy and flow cytometry. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

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

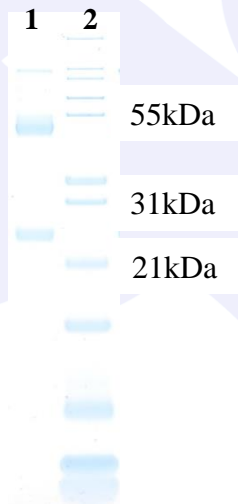
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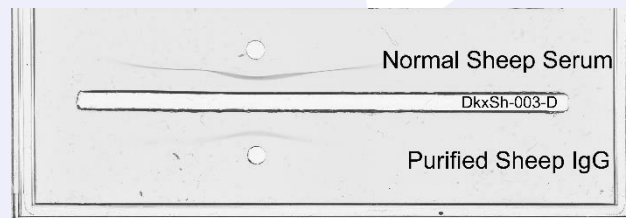
Testing Results

PRODUCT: Donkey anti-sheep IgG (H&L), DyLight® 488 Conjugate
PART NUMBER: DkxSh-003-D488NHSX
LOT NUMBER: 77-92-081621

<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 against: <ul style="list-style-type: none">heavy (γ) chains on sheep IgGlight chains on all sheep immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, no bands are observed to: <ul style="list-style-type: none">non-immunoglobulin sheep serum proteins	PASS
FLISA:	Mean fluorescent value of 8 μ g/ml of DyLight® conjugate when tested against sheep IgG coated at 4 μ g/ml.	3104 MFI's

SDS PAGE

- 1) DkxSh-003-D, Lot #70-28-061019
2) Mol Weight Standard

Immunoelectrophoresis (IEP)

Date: September 1, 2021

Signature: Lee Borden, Ph.D.
Quality Control