

Certificate of Analysis

Product: Donkey anti-Sheep IgG (H&L), ALP Conjugate

Part Number: DkxSh-003-FALP

Lot Number: 20-51-051011

Amount: 1.0 mg @ 1.50 mg/ml ($E^{1\%}$ at 280 nm = 13.0)

Label: Alkaline Phosphatase (ALP)

Form: Clear, colorless liquid

Purification: 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: 30 mM Triethanolamine, pH 7.2, 5 mM Magnesium Chloride, 0.1 mM Zinc Chloride, 1 % (w/v) BSA, Protease/IgG free

Preservative: 0.05 % (w/v) Sodium Azide

Storage: Store undiluted liquid at 2-8 °C. For storage at -20 °C dilute with an equal volume of glycerol to prevent loss of enzymatic activity. 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 Sheep IgG
- light chains on all Sheep immunoglobulins

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

- non-immunoglobulin Sheep serum proteins
- IgG from Human, Mouse or Rabbit

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 # DkxSh-003-F, lot # 15-84-070610.

Applications: This conjugate is suitable for all immunoassay applications. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:500-1:2,000 for Immunohistochemistry
- 1:500-1:8,000 for ELISA/Western blot

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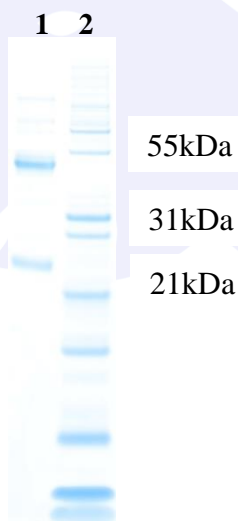
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

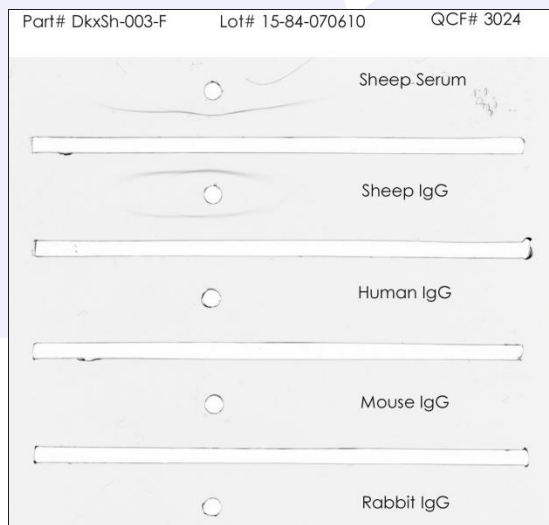
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear and Colorless	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Sheep IgGlight chains on all Sheep immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">non-immunoglobulin Sheep serum proteinsIgG from Human, Mouse or Rabbit	PASS PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Sheep IgG coated at $2\mu\text{g/ml}$ (Test Date 11/30/18)	1:5,600

SDS PAGE



Immunoelectrophoresis (IEP)



- 1) DkxSh-003-F, Lot # 15-84-070610
- 2) Mol Weight Standard

Date: December 3, 2018

Signature: _____

Quality Control