
Certificate of Analysis

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

Part Number: DkxGt-003-DALP

Lot Number: 48-162-032818

Amount: 1.0 mg of antibody at 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 Goat IgG

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

Host: Donkey

Immunogen: Purified Goat 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 Goat IgG
- light chains on all Goat immunoglobulins

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

- non-immunoglobulin Goat 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 # DkxGt-003-D, Lot #'s 50-104-092216 and 36-142-033016.

Applications: This conjugate is suitable for use in: ELISA, WB, IHC, ICC, CL. 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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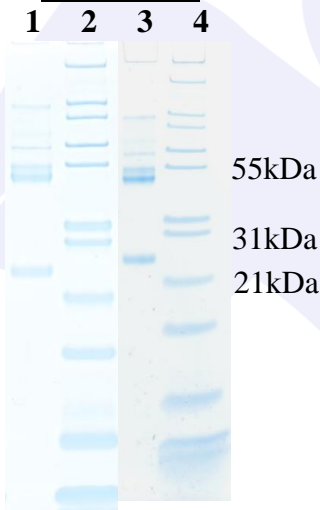
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Testing Results

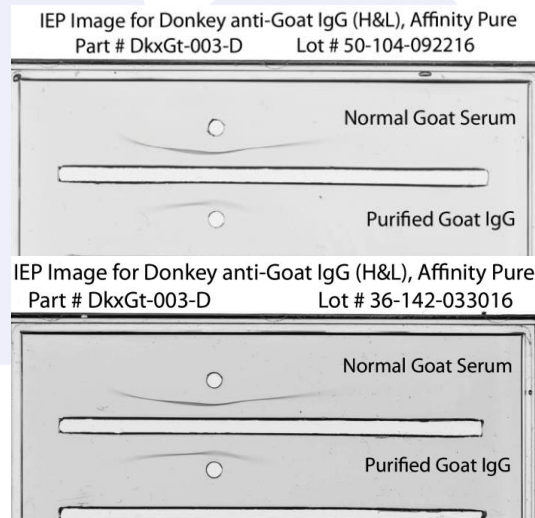
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PART NUMBER: DkxGt-003-DALP
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Goat IgGlight chains on all Goat immunoglobulins	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">non-immunoglobulin Goat serum proteins	PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Goat IgG coated at 2 $\mu\text{g/ml}$	1:5700

SDS-PAGE



Immunoelectrophoresis (IEP)



- 1) DkxGt-003-D, Lot # 36-142-033016
- 2) Mol Weight Standard
- 3) DkxGt-003-D, Lot # 50-104-092216
- 4) Mol Weight Standard

Date: March 29, 2018

Signature: _____


Quality Control