
Certificate of Analysis

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

Part Number: DkxRt-003-FALP
Lot Number: 86-57-122320
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 Rat IgG
Purity: Affinity purified antibody is ≥ 95 % based on SDS-PAGE
Host: Donkey
Immunogen: Purified Rat 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 Rat IgG
- light chains on all Rat immunoglobulins

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

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

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-F, Lot # 67-122-120619.

Applications: This conjugate is suitable for ELISA/FLISA, WB, IHC, ICC, and 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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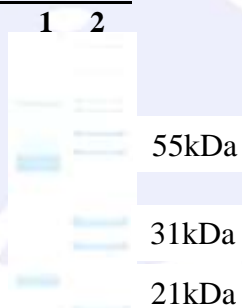
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

PRODUCT: Donkey anti-Rat IgG (H&L), ALP Conjugate
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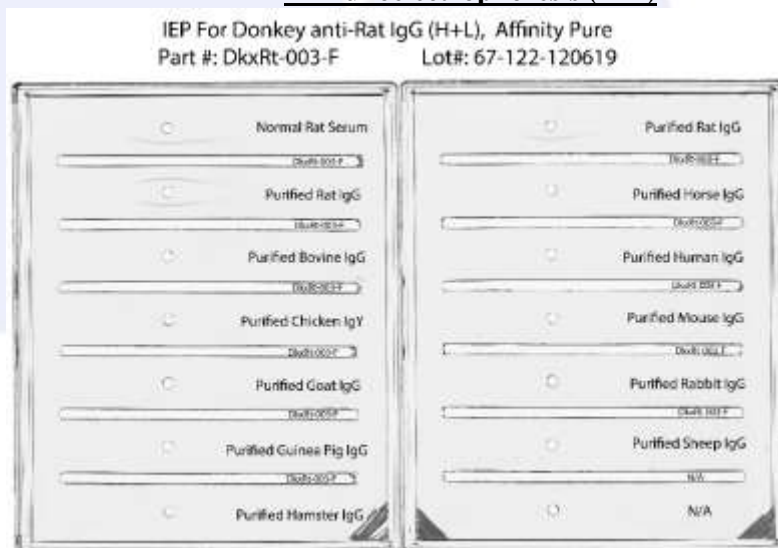
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy (γ) chains on Rat IgG • light chains on all Rat immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"> • non-immunoglobulin Rat serum proteins • serum proteins from Human or Rabbit • IgG from Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, or Sheep 	PASS PASS PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Rat IgG coated at 2 $\mu\text{g}/\text{ml}$	1:7,100

SDS-PAGE



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

Immunoelectrophoresis (IEP)



Date: January 6, 2021

Signature: _____
[Signature]
 Quality Control