
Certificate of Analysis

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

Part Number: GtxRt-003-DALP

Lot Number: 86-55-122320

Amount: 1.0 mg 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 Rat IgG

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

Host: Goat

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

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

Note: This conjugate was prepared using Part # GtxRt-003-D, Lot # 47-116-102516.

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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Testing Results

PRODUCT: Goat anti-Rat IgG (H&L), ALP Conjugate
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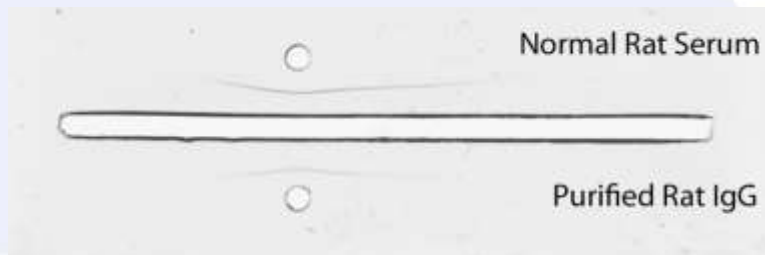
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (γ) chains on Rat IgGlight chains 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	PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Rat IgG coated at 2 $\mu\text{g/ml}$	1:4,300

SDS-PAGE



Immunoelectrophoresis (IEP)

IEP Image for Goat anti-Rat IgG (H&L), Affinity Pure
Part # GtxRt-003-D Lot # 47-116-102516



- 1) GtxRt-003-D, Lot # 47-116-102516
- 2) Mol Weight Standard

Date: January 6, 2021

Signature: _____

Quality Control