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## Certificate of Analysis

Product: Rabbit anti-Goat IgG (H&L), HRP Conjugate

Part Number: RbxGt-003-EHRPX

Lot Number: 58-139-053118

Amount: 1.0 mg of lyophilized antibody ( $E^{1\%}$  at 280 nm = 13.0)  
(Product has been overfilled to ensure maximum recovery)

Label: Horseradish Peroxidase (HRP)

Form: Lyophilized

Purification: Affinity purified using solid phase Goat IgG

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

Host: Rabbit

Immunogen: Purified Goat IgG, whole molecule

Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2,  
1 % (w/v) BSA, Protease/IgG free

Preservative: 0.1 % (v/v) Kathon CG – *Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase*

Reconstitution: Rehydrate with 1.1 ml of deionized water. Allow reconstituted product to stand at room temperature for at least 30 minutes prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.

Storage: Store lyophilized material at 2-8 °C. For storage at -20 °C after reconstitution, 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 ( $\gamma$ ) 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
- IgG from Human, Mouse, or Rat

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

Note: This conjugate was prepared using Part # RbxGt-003-E, Lot # 41-139-041817.

Applications: This conjugate is suitable for use in: ELISA, WB, IHC, CL. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:500-1:5,000 for Immunohistochemistry
- 1:200-1:5,000 for ELISA/Western blot

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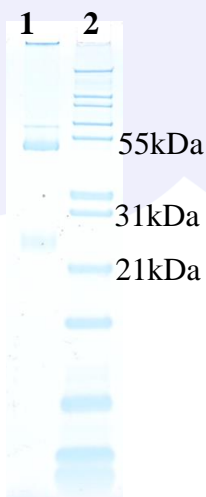
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## Testing Results

**PRODUCT:** Rabbit anti-Goat IgG (H&L), HRP Conjugate  
**PART NUMBER:** RbxGt-003-EHRPX  
**LOT NUMBER:** 58-139-053118

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish 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 with: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on Goat IgG</li><li>light chains on all Goat immunoglobulins</li></ul>	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"><li>non-immunoglobulin Goat serum proteins</li><li>IgG from Human, Mouse, or Rat</li></ul>	PASS PASS
ELISA:	Dilution giving $A^{450}$ reading of $\geq 1.0$ when tested against Goat IgG (H&L) coated at 2 $\mu\text{g/ml}$	1: 185,000

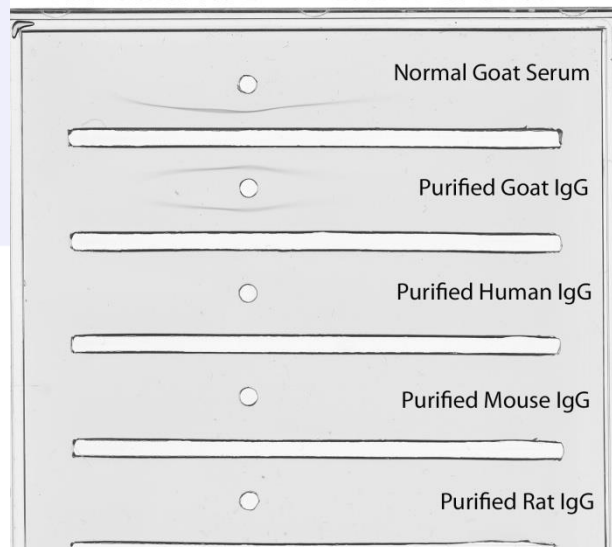
### SDS-PAGE



- 1) RbxGt-003-E, Lot # 41-139-041817  
2) Mol Weight Standard

### Immunoelectrophoresis (IEP)

IEP Image for Rabbit anti-Goat IgG (H&L), Affinity Pure  
Part # RbxGt-003-E      Lot # 41-139-041817



Date: June 19, 2018

Signature: \_\_\_\_\_

  
Quality Control