

## Certificate of Analysis

|                    |  |
|--------------------|--|
| Product:           | Donkey anti-Rat IgG (H&L), HRP Conjugate   |
| Part Number:       | DkxRt-003-DHRPX  |
| Lot Number:        | 67-137-021820  |
| Amount:            | 1.0 mg of lyophilized antibody (E <sup>1%</sup> at 280 nm = 13.0)<br>(Product has been overfilled to ensure maximum recovery)  |
| Label:             | Horseradish Peroxidase (HRP)   |
| Form:              | Lyophilized  |
| 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:            | 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2,<br>1 % (w/v) BSA, Protease/IgG free  |
| Preservative:      | 0.1 % (v/v) Kathon CG – <i>Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase</i>  |
| Reconstitution:    | Rehydrate with 1.1 ml of deionized water. Allow reconstituted product to stand for at least 30 minutes at room temperature prior to dilution. If necessary, centrifuge to remove any particulates. Prepare fresh working dilution daily.   |
| Storage:           | Store lyophilized material at 2 - 8 °C. For long term storage after reconstitution, dilute with 50 % glycerol and store at -20 °C as a liquid. 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: <ul style="list-style-type: none"><li>• heavy (γ) chains on Rat IgG</li><li>• light chains on all Rat immunoglobulins</li></ul>   |
| Cross Reactivity:  | Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• non-immunoglobulin Rat serum proteins</li></ul>  |
| Country of Origin: | Donkey antiserum 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-D, Lot # 69-9-031219  |
| 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): <ul style="list-style-type: none"><li>• 1:20 – 1:2,000 for Immunohistochemistry</li><li>• 1:50 – 1:5,000 for Immunocytochemistry</li></ul>   |
| Disclaimer:        | <i>For in vitro Laboratory Use Only.</i> Not for diagnostic or therapeutic use. Not for human or animal consumption. The proper selection and use of our products is the sole responsibility of the end user, and therefore we can offer no guarantee to a specific experimental outcome. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license under any patent of ImmunoReagents, Inc. |

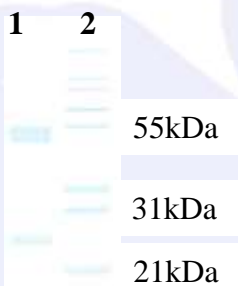
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Donkey anti-Rat IgG (H&L), HRP Conjugate  
**PART NUMBER:** DkxRt-003-DHRPX  
**LOT NUMBER:** 67-137-021820

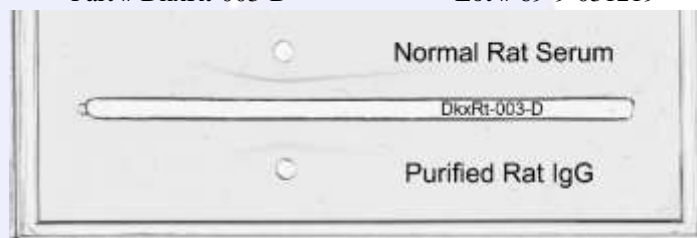
| <u>TEST</u>       | <u>SPECIFICATIONS</u>  | <u>RESULTS</u> |
|-------------------|--|----------------|
| Appearance:       | Reddish powder   | PASS           |
| Purity:           | Two predominant bands at 50 and 24 kDa based on SDS-PAGE   | PASS           |
| Specificity:      | Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on Rat IgG</li><li>light chains on all Rat immunoglobulins</li></ul> | PASS<br>PASS   |
| Cross Reactivity: | Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"><li>non-immunoglobulin Rat serum proteins</li></ul>   | PASS           |
| ELISA:            | Dilution giving an $A^{450}$ reading of $\geq 1.0$ when tested against Rat IgG (H&L) coated at 2 $\mu\text{g/ml}$  | 1: 82,000      |

### SDS-PAGE



### Immunoelectrophoresis (IEP)

IEP for Donkey anti-Rat IgG (H&L), Affinity Pure  
Part # DkxRt-003-D                      Lot # 69-9-031219



- 1) DkxRt-003-D, Lot # 69-9-031219
- 2) Mol Weight Standard

Date: March 31, 2020

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

Quality Control