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## Certificate of Analysis

Product: Goat anti-Mouse IgG Fc, HRP Conjugate

Part Number: GtxMu-004-DHRPX  
Lot Number: 65-123-031219  
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 Mouse IgG  
Purity:  $\geq 95\%$  based on SDS-PAGE  
Host: Goat  
Immunogen: Purified Mouse IgG Fc  
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 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:

- heavy ( $\gamma$ ) chains on Mouse IgG

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

- non-immunoglobulin Mouse serum proteins
- light chains on all Mouse immunoglobulins
- Mouse IgG F(ab)'2 fragment

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

Note: This conjugate was prepared using Part # GtxMu-004-D, Lot # 58-19-080917.

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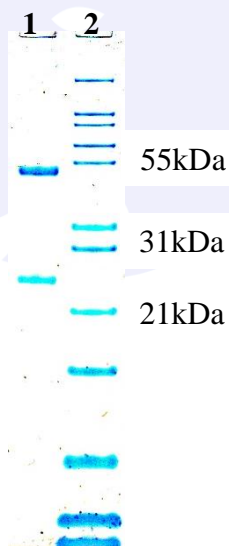
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Goat anti-Mouse IgG Fc, HRP Conjugate  
**PART NUMBER:** GtxMu-004-DHRPX  
**LOT NUMBER:** 65-123-031219

<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 Mouse IgG</li></ul>	PASS
Cross Reactivity:	Based on IEP, no precipitin bands are observed to: <ul style="list-style-type: none"><li>non-immunoglobulin Mouse serum proteins</li><li>light chains on all Mouse immunoglobulins</li><li>Mouse IgG F(ab)'2 fragment</li></ul>	PASS PASS PASS
ELISA:	Dilution giving A <sup>450</sup> reading of $\geq 1.0$ when tested against Mouse IgG (H&L) coated at 2 $\mu$ g/ml	1: 185,000

### SDS-PAGE

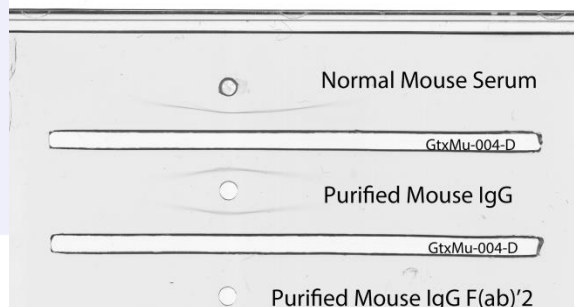


### Immunoelectrophoresis (IEP)

IEP For Goat anti-Mouse IgG Fc, Affinity Pure

Part # GtxMu-004-D

Lot # 58-19-080917



- 1) GtxMu-004-D, Lot # 58-19-080917
- 2) Mol Weight Standard

Date: March 22, 2019

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

Quality Control