

## Certificate of Analysis

Product: Goat anti-Mouse IgG (H&L), F(ab)'<sub>2</sub> Fragment, HRP Conjugate

Part Number: GtxMu-003-GHRPX  
Lot Number: 90-6-102320  
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: Affinity purified antibody is  $\geq 90\%$  based on SDS-PAGE. Small amounts of intact IgG may be present.

Host: Goat  
Immunogen: Purified Mouse 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) ProClin 150 – *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 Mouse IgG
- light chains on all Mouse immunoglobulins

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

- non-immunoglobulin Mouse serum proteins

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-003-G, Lot # 90-4-101420.

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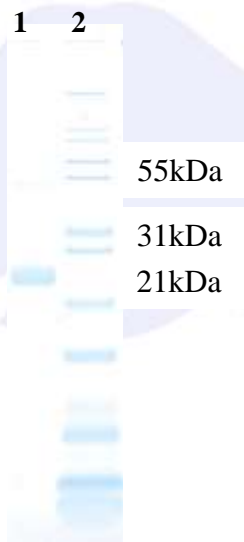
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

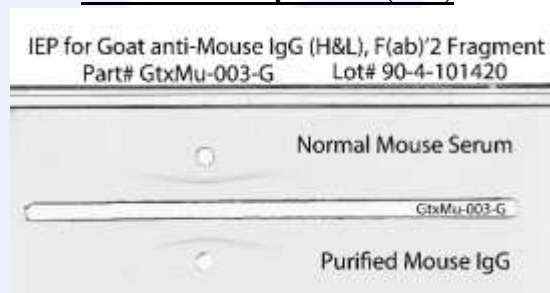
**PRODUCT:** Goat anti-Mouse IgG (H&L), F(ab)'2 Fragment, HRP Conjugate  
**PART NUMBER:** GtxMu-003-GHRPX  
**LOT NUMBER:** 90-6-102320

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish powder	PASS
Purity:	One predominant band at 24 kDa based on SDS-PAGE	PASS
Specificity	Based on IEP, his antibody has precipitin bands against: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) chains on Mouse IgG</li><li>light chains on all Mouse immunoglobulins</li></ul>	PASS 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></ul>	PASS
ELISA:	Dilution giving $A^{450}$ reading of $\geq 1.0$ when tested against Mouse IgG (H&L) coated at 2 $\mu$ g/ml	1:169,000

### SDS-PAGE



### Immunoelectrophoresis (IEP)



- 1) GtxMu-003-G, Lot # 90-4-101420
- 2) Mol Weight Standard

Date: October 30, 2020

Signature: \_\_\_\_\_  
Quality Control