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## Certificate of Analysis

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

Part Number: GtxMu-003-J2HRPX

Lot Number: 70-25-053119

Amount: 0.5 mg of lyophilized antibody (E<sup>1%</sup> 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. F(ab)'2 fragment was prepared by pepsin digestion.

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 0.55 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
- serum proteins from Bovine, Horse, Human, Rabbit, or Swine

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-J2, Lot # 67-70-051419

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

Disclaimer: *For in vitro Laboratory Use Only.* 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.**

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**Testing Results**

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**PRODUCT:** Goat anti-Mouse IgG (H&L), F(ab)'2 Fragment, HRP Conjugate**PART NUMBER:** GtxMu-003-J2HRPX**LOT NUMBER:** 70-25-053119**TESTS****SPECIFICATIONS****RESULTS**

Appearance:

Reddish powder

PASS

Purity:

One predominant band at 24 kDa based on SDS-PAGE

PASS

Specificity:

Based on IEP, this antibody has precipitin bands with:

- heavy ( $\gamma$ ) chains on Mouse IgG
- light chains on all Mouse immunoglobulins

PASS

PASS

Cross Reactivity:

Based on IEP, no precipitin bands are observed to:

- non-immunoglobulin Mouse serum proteins
- serum proteins from Bovine, Horse, Human, Rabbit, or Swine

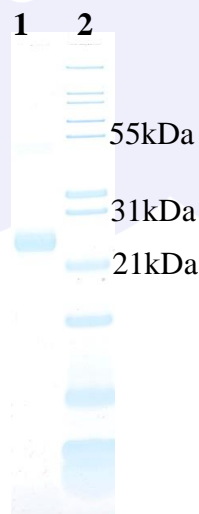
PASS

PASS

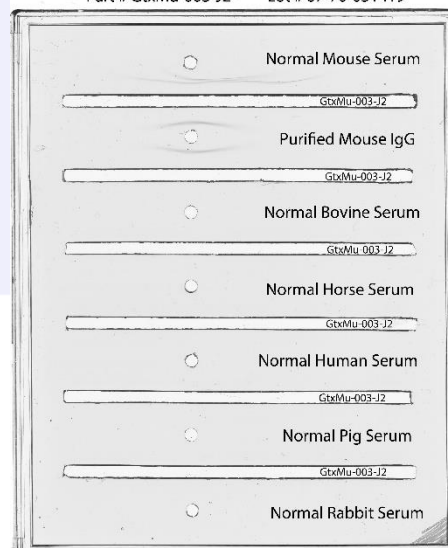
ELISA:

Dilution giving  $A^{450}$  reading of  $\geq 1.0$  when tested against Mouse IgG (H&L) coated at 2  $\mu$ g/ml

1: 220,000

**SDS-PAGE**

- 1) GtxMu-003-J2, Lot # 67-70-051419
- 2) Mol Weight Standard

**Immunoelectrophoresis (IEP)**IEP For Goat anti-Mouse IgG (H+L), F(ab)'2 Fragment  
Part # GtxMu-003-J2 Lot # 67-70-051419

Date: June 7, 2019

Signature: 

Quality Control

