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## Certificate of Analysis

Product: Goat anti-Mouse IgM (H&L), FITC Conjugate

Part Number: GtxMu-007-DFITC

Lot Number: 80-59-021521

Amount: 2.0 mg of antibody at 1.50 mg/ml ( $E^{1\%}$  at 280 nm = 13.0)

Form: Clear, fluorescent yellow liquid

Fluorophore: Fluorescein-5-isothiocyanate (FITC) Ex = 494 nm; Em = 518 nm

Fluor/Protein Ratio: 9.1 Moles FITC per Mole Antibody

Form: Clear, fluorescent yellow liquid

Purification: Antibody was affinity purified using solid phase Mouse IgM

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

Host: Goat

Immunogen: Purified Mouse IgM, whole molecule

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

Preservative: 0.05 % (w/v) Sodium Azide

Storage: 2 - 8 °C

Shelf Life: 1 year from date of receipt

Specificity: Based on IEP, this antibody reacts with:

- heavy ( $\mu$ ) chains on Mouse IgM
- 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-007-D, Lot # 70-82-101819.

Applications: This conjugate is suitable for use in: FLISA, IF, IM, IHC, FACS. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

- 1:20 – 1:2,000 for Immunohistochemistry
- 1:50 – 1:5,000 for Immunocytochemistry

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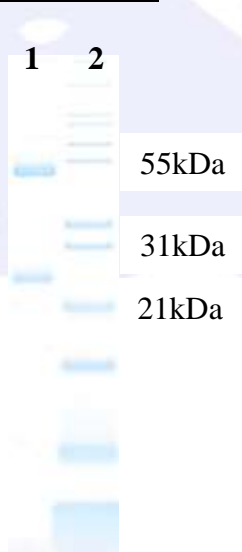
**Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.**

## Testing Results

**PRODUCT:** Goat anti-Mouse IgM (H&L), FITC Conjugate  
**PART NUMBER:** GtxMu-007-DFITC  
**LOT NUMBER:** 80-59-021521

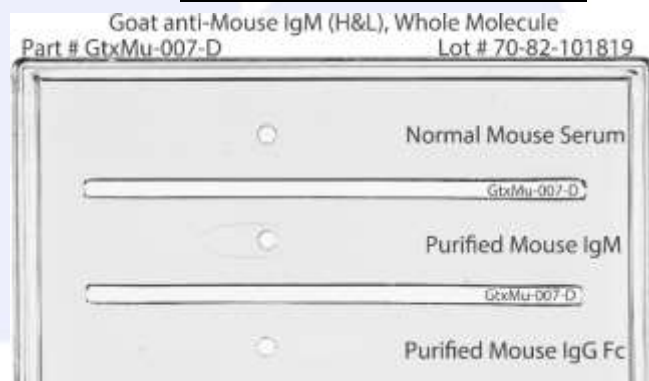
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Clear, fluorescent yellow liquid	PASS
Purity	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity	Based on IEP, this antibody has a precipitin band against: <ul style="list-style-type: none"><li>heavy (<math>\mu</math>) chains on Mouse IgM</li><li>light chains on all Mouse immunoglobulins</li></ul>	PASS PASS
Cross Reactivity	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>non-immunoglobulin Mouse serum proteins</li></ul>	PASS
FLISA:	Mean fluorescent value of 8 $\mu$ g/ml of FITC conjugate when tested against normal mouse IgM coated at 4 $\mu$ g/ml	1670 MFI's

### SDS-PAGE



- 1) GtxMu-007-D, Lot # 70-82-101819
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: February 17, 2021

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

  
Quality Control