

## Certificate of Analysis

Product:	Goat anti-Mouse IgG Fc, FITC Conjugate
Part Number:	GtxMu-004-DFITC
Lot Number:	77-51-052620
Amount:	2.0 mg of antibody at 1.50 mg/ml ( $E^{1\%}$ at 280 nm = 13.0)
Fluorophore:	Fluorescein-5-isothiocyanate ( $A_{max}$ = 494 nm; $E_{max}$ = 518 nm)
Fluor/Protein Ratio:	6.6 Moles FITC per Mole Antibody
Form:	Clear, fluorescent yellow liquid
Purification:	Antibody was affinity purified using solid phase Mouse IgG
Purity:	Affinity purified antibody is $\geq 95\%$ 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:	0.05 % (w/v) Sodium Azide
Storage:	Store undiluted liquid at 2-8 °C. 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 (<math>\gamma</math>) chains on Mouse IgG</li></ul>
Cross Reactivity:	Based on IEP, no reactivity is 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>
Country of Origin:	Goat serum 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 # 70-132-021320.
Applications:	This conjugate is suitable for immunomicroscopy and flow cytometry. 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:** Goat anti-Mouse IgG Fc, FITC Conjugate  
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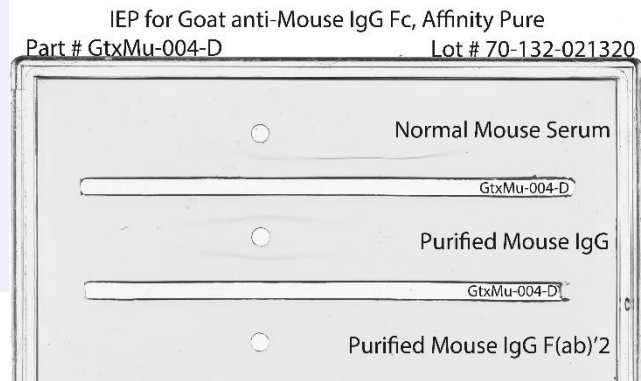
<u>TEST</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, fluorescent yellow liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\gamma</math>) 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
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of FITC conjugate when tested against normal Mouse IgG coated at 4 $\mu\text{g/ml}$	2,268 MFI's

### SDS-PAGE



- 1) GtxMu-004-D, Lot # 70-132-021320
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: June 2, 2020

Signature:   
Quality Control