
Certificate of Analysis

Product:	Goat anti-Mouse IgG Fc, DyLight [®] 488 Conjugate
Part Number:	GtxMu-004-D488NHSX
Lot Number:	81-110-080321
Amount:	1.0 mg of lyophilized antibody (E ^{1%} at 280 nm = 13.0)
Fluorophore:	DyLight [®] 488 (Ex = 493 nm; Em = 518 nm)
Fluor/Protein Ratio:	6.3 Moles DyLight [®] 488 per Mole Antibody
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
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: <ul style="list-style-type: none">• heavy (γ) chains on Mouse IgG
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">• non-immunoglobulin Mouse serum proteins• light chains on all Mouse immunoglobulins
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 # 80-15-101920
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">• 1:20 – 1:2,000 for most applications
Disclaimer:	<i>For in vitro Laboratory Use Only.</i> Not for diagnostic or therapeutic use. Not for mouse 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.

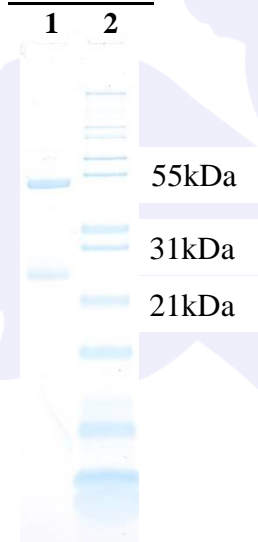
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

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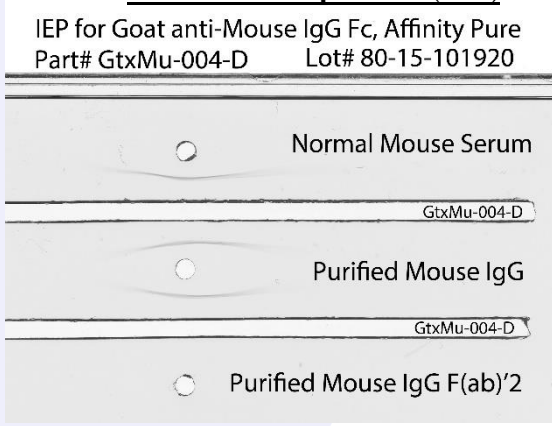
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Yellowish powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands against: <ul style="list-style-type: none"> • heavy (γ) chains on Mouse IgG 	PASS
Cross Reactivity:	Based on IEP, no bands are observed to: <ul style="list-style-type: none"> • non-immunoglobulin Mouse serum proteins • light chains on all Mouse immunoglobulins 	PASS PASS
FLISA:	Mean fluorescent value of 8 μg/ml of DyLight® conjugate when tested against Mouse IgG coated at 4 μg/ml	1658 MFI's

SDS-PAGE



- 1) GtxMu-004-D, Lot # 80-15-101920
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: August 11, 2021

Signature: _____
Quality Control