

## Certificate of Analysis

Product:	Goat anti-Mouse IgG (H&L), FITC Conjugate
Part Number:	A16079
Lot Number:	38-118-022014
Amount:	1.0 mg of antibody at 1.50 mg/ml (E <sup>1%</sup> at 280 nm = 13.0)
Fluorophore:	Fluorescein-5-isothiocyanate Amax = 494 nm; Emax = 518 nm
Fluor/Protein Ratio:	4.0 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 ≥ 95 % based on SDS-PAGE
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:	0.05 % (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 (γ) chains on Mouse IgG</li><li>• light chains on all Mouse immunoglobulins</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>• Bovine, Goat, Human, Rabbit, or Rat IgG</li></ul>
Country of Origin:	Goat antiserum was obtained from animals of US origin and under the care of a registered veterinarian.
Note:	This conjugate was prepared using Part # A16080, Lot # 29-125-022013.
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): <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.

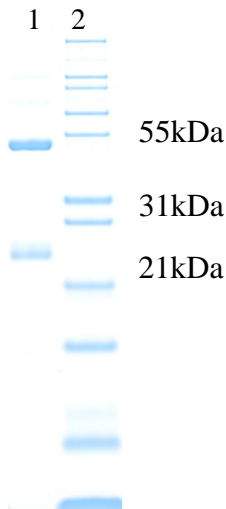
**Product may not be resold or modified for resale without prior written approval of ThermoFisher.**

## Testing Results

**PRODUCT:** Goat anti-Mouse IgG (H&L), FITC Conjugate  
**PART NUMBER:** A16079  
**LOT NUMBER:** 38-118-022014

<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 precipitin bands with: <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> <li>Bovine, Goat, Human, Rabbit, or Rat IgG</li> </ul>	PASS PASS
FLISA:	Mean fluorescent value of 8 $\mu\text{g/ml}$ of FITC conjugate when tested against normal Mouse IgG coated at 4 $\mu\text{g/ml}$	1,236 MFI's
F.I.T.:	Mean fluorescent intensity of a 1:1000 dilution at Ex-488 nm (+/-9)/Em-518 nm (+/-9)	9,114 MFI's

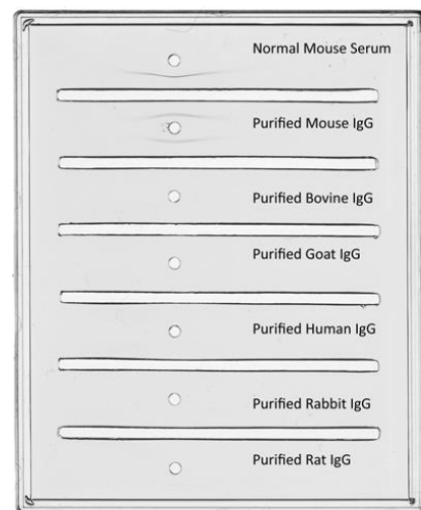
### SDS-PAGE



1) A16080, Lot # 29-125-022013  
 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)

Part# A16080 Lot# 29-125-022013 QCF # 3023



Date: April 11, 2018

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

*Joe Paul*  
Quality Control

**For Research Use Only. Not for use in diagnostic procedures.**

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