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## Certificate of Analysis

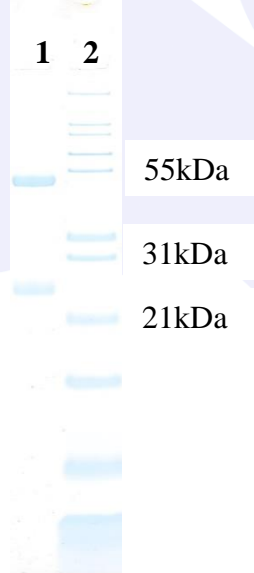
Product:	Goat anti-Human IgG Fc, Biotin Conjugate
Part Number:	GtxHu-004-F2BIO
Lot Number:	68-177-121319
Amount:	1.0 mg of antibody at 1.50 mg/ml (E <sup>1%</sup> at 280 nm = 13.0)
Purification:	Antibody was purified using solid phase Human IgG
Purity:	Affinity purified antibody is ≥ 95 % based on SDS-PAGE
Host:	Goat
Immunogen:	Purified Human 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 (γ) chains on Human IgG</li></ul>
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none"><li>• light chains on Human immunoglobulins</li><li>• non-immunoglobulin Human serum proteins</li><li>• Human IgA or IgM</li><li>• serum proteins from Bovine, Mouse, or Rabbit</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 # GtxHu-004-F2, Lot # 70-22-051019.
Applications:	This conjugate is suitable for use in: ELISA, WB, IHC, FACS. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s): <ul style="list-style-type: none"><li>• 1:20,000 – 1:500,000 for ELISA/Western blot</li><li>• 1:500 – 1:5,000 for Immunohistochemistry</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. <b>Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.</b>

## Testing Results

**PRODUCT:** Goat anti-Human IgG Fc, Biotin Conjugate  
**PART NUMBER:** GtxHu-004-F2BIO  
**LOT NUMBER:** 68-177-121319

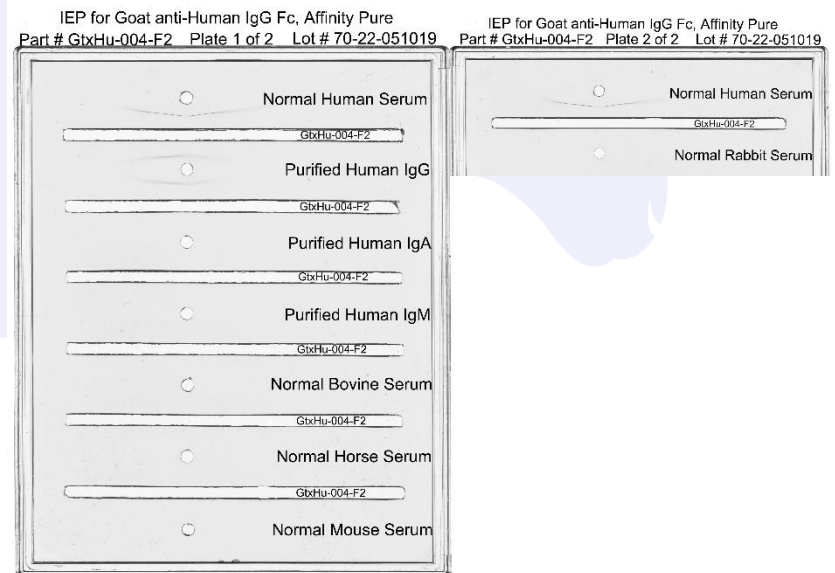
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> <li>• heavy (<math>\gamma</math>) chains on Human IgG</li> </ul>	PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"> <li>• light chains on all Human immunoglobulins</li> <li>• non-immunoglobulin Human serum proteins</li> <li>• Human IgA or IgM</li> <li>• serum proteins from Bovine, Mouse, or Rabbit</li> </ul>	PASS PASS PASS PASS
ELISA:	Dilution giving $A^{405}$ reading of $\geq 1.0$ when tested against Human IgG Fc coated at 2 $\mu\text{g/ml}$	1: 1,252,000

### SDS-PAGE



- 1) GtxHu-004-F2, Lot # 70-22-051019
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)



Date: December 17, 2019

Signature: *John Alt*  
 Quality Control