
Certificate of Analysis

Product:	Goat anti-Human IgG + IgA + IgM, F(ab') ₂ Fragment, Biotin Conjugate
Part Number:	GtxHu-010-GBIO
Lot Number:	70-115-121819
Amount:	0.5 mg of antibody at 1.50 mg/ml (E ^{1%} at 280 nm = 13.0)
Label:	NHS-LC-Biotin
Purification:	Affinity purified using solid phase Human IgG + IgA + IgM. F(ab') ₂ fragment was prepared by pepsin digestion.
Purity:	Affinity purified antibody is ≥ 90 % based on SDS-PAGE. Small amounts of intact IgG may be present.
Host:	Goat
Immunogen:	Purified Human IgG + IgA + 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:	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">• heavy chains on Human IgG + IgA + IgM• light chains on all Human immunoglobulins
Cross Reactivity:	Based on IEP, no reactivity is observed to: <ul style="list-style-type: none">• non-immunoglobulin Human serum proteins
Country of Origin:	Goat serum was obtained from animals of US origin and under the care of a registered veterinarian.
Note:	This conjugate was prepared using Part # GtxHu-010-G, Lot # 27-176-012714
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">• 1:20,000 – 1:500,000 for ELISA/Western blot• 1:500 – 1:5,000 for Immunohistochemistry
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.

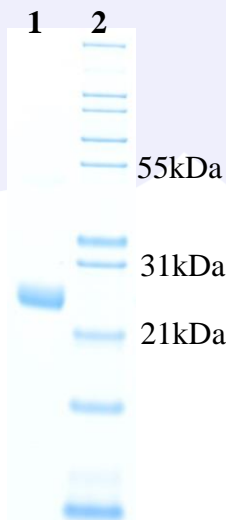
Product may not be resold or modified for resale without prior written approval of ImmunoReagents, Inc.

Testing Results

PRODUCT: Goat anti-Human IgG + IgA + IgM, F(ab')₂ Fragment, Biotin Conjugate
PART NUMBER: GtxHu-010-GBIO
LOT NUMBER: 70-115-121819

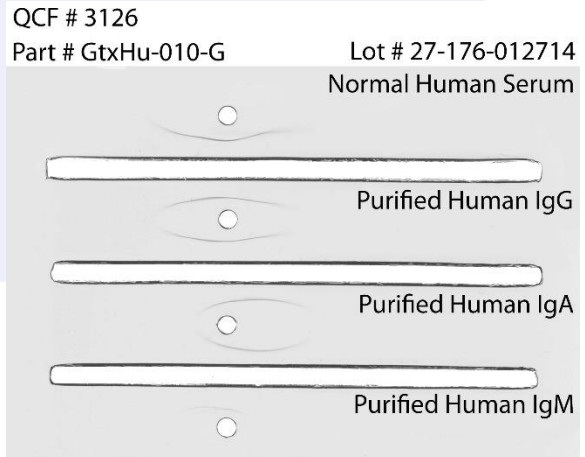
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	One predominant band at 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy chains on Human IgG + IgA + IgM • light chains on all Human immunoglobulins 	PASS PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"> • non-immunoglobulin Human serum proteins 	PASS
ELISA:	Dilution giving A ⁴⁰⁵ reading of ≥ 1.0 when tested against: <ul style="list-style-type: none"> • Human IgG coated at 2 µg/ml • Human IgA coated at 2 µg/ml • Human IgM coated at 2 µg/ml 	1: 1,180,000 1: 640,000 1: 325,000

SDS-PAGE



- 1) GtxHu-010-G, Lot # 27-176-012714
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)



Date: January 2, 2020

Signature: 
 Quality Control