
Certificate of Analysis

Product: Goat anti-Human IgG + IgA + IgM, Biotin Conjugate

Part Number: GtxHu-010-DBIO
Lot Number: 69-162-050520
Amount: 2.0 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
Purity: Affinity purified antibody is ≥ 95 % based on SDS-PAGE
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:

- heavy chains on Human IgG + IgA + IgM
- light chains on all Human immunoglobulins

Cross Reactivity: Based on IEP, no reactivity is observed to:

- 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-D, Lot # 35-61-121114.

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):

- 1:20,000 – 1:500,000 for ELISA/Western blot
- 1:500 – 1:5,000 for Immunohistochemistry

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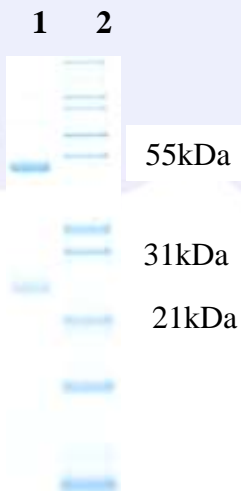
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Testing Results

PRODUCT: Goat anti-Human IgG + IgA + IgM, Biotin Conjugate
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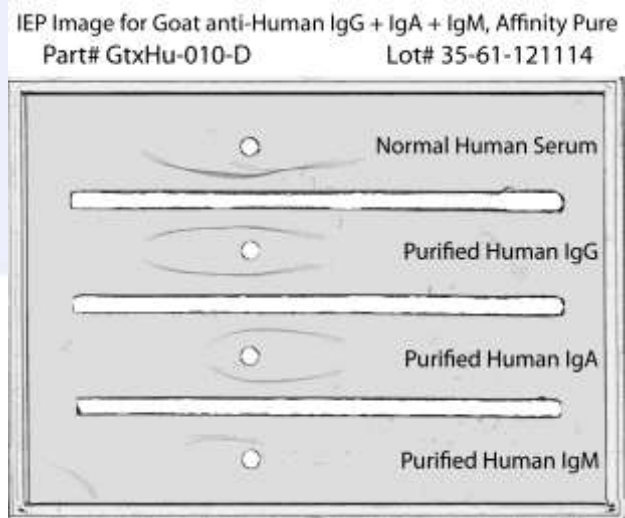
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear, colorless liquid	PASS
Purity:	Two predominant bands at 50 kDa and 24 kDa based on SDS-PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"> • heavy chains on Human IgG + IgA + 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: 730,000 1: 375,000 1: 330,000

SDS-PAGE



- 1) GtxHu-010-D, Lot # 35-61-121114
- 2) Mol Weight Standard

Immuno-electrophoresis (IEP)



Date: May 27, 2020

Signature: _____
Quality Control