6003 Chapel Hill Road · Suite # 153 · Raleigh, NC 27607

Certificate of Analysis

Product: Goat anti-Human IgE (ε chain), Biotin Conjugate

Part Number: GtxHu-002-DBIO Lot Number: 65-156-050219

Amount: 1.0 mg of antibody at 1.50 mg/ml (E $^{1\%}$ at 280 nm = 13.0) Purification: Antibody was purified using solid phase Human IgE Purity: Affinity purified antibody is \geq 95 % based on SDS-PAGE

Host: Goat

Immunogen: Purified Human IgΕ (ε chain)

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: 2 - 8 °C

Shelf Life: 1 year from date of receipt

Specificity: Based on IEP, this antibody reacts with:

• heavy (ε) chains on Human IgE

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

light chains on all Human immunoglobulinsnon-immunoglobulin Human serum proteins

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-002-D, Lot # 68-74-042419.

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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Phone: 919-831-2240 <u>www.ImmunoReagents.com</u> Fax: 919-831-2240

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Testing Results

PRODUCT: Goat anti-Human IgE (ε chain), Biotin Conjugate

PART NUMBER: GtxHu-002-DBIO **LOT NUMBER:** 65-156-050219

TESTS SPECIFICATIONS RESULTS

Clear, colorless liquid **PASS** Appearance:

Purity: Two predominant bands at 50 and 24 kDa based on SDS-PAGE **PASS**

Specificity: Based on IEP, this antibody has precipitin bands with:

> heavy (ε) chains on Human IgE **PASS**

Cross Reactivity: Based on IEP, no precipitin bands are observed to:

> light chains on all Human immunoglobulins **PASS** non-immunoglobulin Human serum proteins **PASS**

Dilution giving A^{405} reading of ≥ 1.0 when tested ELISA: 480,000

against Human IgE (ε chain) coated at 2 μg/ml

SDS-PAGE

1

2

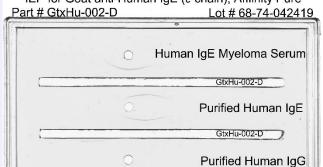
31kDa

55kDa

21kDa

Immunoelectrophoresis (IEP)

IEP for Goat anti-Human IgE (ε-chain), Affiinity Pure Part # GtxHu-002-D



- 1) GtxHu-002-D, Lot # 68-74-042419
- 2) Mol Weight Standard

Date: May 9, 2019 Signature:

Quality Control

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