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

Certificate of Analysis

Product: Goat anti-Human Kappa (κ) Light Chain, HRP Conjugate

Part Number: GtxHu-084-EHRPX 62-80-050918 Lot Number:

0.5 mg of lyophilized antibody (E $^{1\%}$ at 280 nm = 13.0) Amount:

(Product has been overfilled to ensure maximum recovery)

Label: Horseradish Peroxidase (HRP)

Lyophilized Form:

Purification: Affinity purified using solid phase Human Kappa (κ) Light Chain

Affinity purified antibody is \geq 95 % based on SDS-PAGE Purity:

Host: Goat

Applications:

Rev.1 052118BH

Immunogen: Purified Human Kappa (k) Light Chain

Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA,

Protease/IgG free

0.1 % (v/v) Kathon CG – Use of Sodium Azide will inhibit enzyme activity of Preservative:

horseradish peroxidase

Reconstitution: Rehydrate with 0.55 ml of deionized water. Allow reconstituted product to stand at

room temperature for at least 30 minutes prior to dilution. If necessary, centrifuge to

remove any particulates. Prepare fresh working dilution daily.

Storage: Store lyophilized material at 2-8 °C. For storage at -20 °C after reconstitution, dilute

with an equal volume of glycerol to prevent loss of enzymatic activity. 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:

Kappa (κ) light chains on all Human immunoglobulins

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

non-immunoglobulin Human serum proteins

heavy chains on all Human immunoglobulins

Lambda (λ) light chains on all Human immunoglobulins

Goat antiserum was obtained from healthy animals of US origin and under the care of Country of Origin:

a registered veterinarian.

This conjugate was prepared using Part # GtxHu-084-E, Lot # 27-154-102213. Note:

> This conjugate is suitable for use in: ELISA, WB, IHC, CL. The optimal working dilution should be determined by the investigator. Suggested starting dilution(s):

1:500-1:5,000 for Immunohistochemistry

1:200-1:5,000 for ELISA/Western blot

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Phone: 919-831-2240 Fax: 919-831-2240 6003 Chapel Hill Road · Suite # 153 · Raleigh, NC 27607

Testing Results

PRODUCT: Goat anti-Human Kappa (κ) Light Chain, HRP Conjugate

PART NUMBER: GtxHu-084-EHRPX

LOT NUMBER: 62-80-050918

<u>TESTS</u> <u>SPECIFICATIONS</u> <u>RESULTS</u>

Appearance: Reddish powder 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:

• Kappa (κ) light chains on all Human immunoglobulins PASS

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

non-immunoglobulin Human serum proteins
 heavy chains on all Human immunoglobulins
 Lambda (λ) light chains on all Human immunoglobulins
 PASS

ELISA: Dilution giving A^{450} reading of ≥ 1.0 when tested 1: 138,000

against Human IgG (H&L) coated at 2 µg/ml

SDS-PAGE 1 2 QCF # 3084 Part # GtxHu-084-E Normal Human Serum 55kDa Purified Human Kappa Chain 31kDa 21kDa Purified Human Lambda Chain Normal Mouse Serum

- 1) GtxHu-084-E, Lot # 27-154-102213
- 2) Mol Weight Standard

Date: May 21, 2018 Signature: Ouality Control

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