

Certificate of Analysis

Product:	Goat anti-Human Kappa (κ) Light Chain, ALP Conjugate
Part Number:	GtxHu-084-DALP
Lot Number:	24-184-090313
Amount:	0.5 mg @ 1.50 mg/ml (E ^{1%} at 280 nm = 13.0)
Label:	Alkaline Phosphatase (ALP)
Form:	Liquid
Purification:	Affinity purified using solid phase Human Kappa (κ) Light Chain
Purity:	Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE
Host:	Goat
Immunogen:	Purified Human Kappa (κ) Light Chain
Buffer:	30 mM Triethanolamine, pH 7.2, 5 mM Magnesium Chloride, 0.1 mM Zinc Chloride, 1 % (w/v) BSA, Protease/IgG free
Preservative:	0.05 % (w/v) Sodium Azide
Storage:	Store undiluted liquid at 2-8 °C. For storage at -20 °C, 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: <ul style="list-style-type: none">• kappa (κ) 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• heavy chains on all Human immunoglobulins• lambda (λ) light chains on all Human immunoglobulins
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-084-D, Lot # 23-61-120111.
Applications:	Suitable for use in: ELISA, WB, IHC, ICC, CL. The optimal working dilution should be determined by the investigator. Suggested starting dilutions: <ul style="list-style-type: none">• 1:500-1:2,000 for Immunohistochemistry• 1:500-1:8,000 for ELISA/Western blot
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 Kappa (κ) Light Chain, ALP Conjugate
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LOT NUMBER: 24-184-090313

<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"> • kappa (κ) light chains on all Human immunoglobulins 	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 • heavy chains on all Human immunoglobulins • lambda (λ) light chains on all Human immunoglobulins 	PASS PASS PASS
ELISA:	Dilution giving A^{405} reading of ≥ 1.0 when tested against Human kappa chain coated at 2 $\mu\text{g/ml}$	1: 3,880

SDS-PAGE

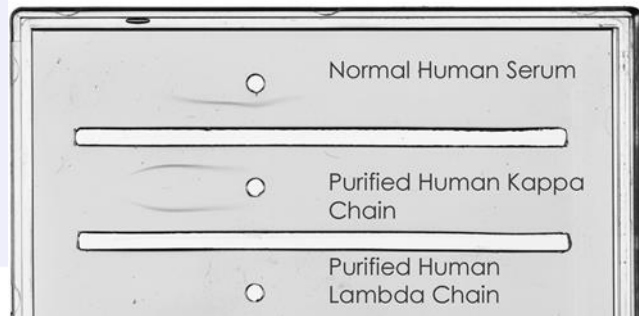


- 1) GtxHu-084-D, Lot # 23-61-120111
- 2) Mol Weight Standard

Immunoelectrophoresis (IEP)

Part # GtxHu-084-D
Lot # 23-61-120111

QCF# 3083



Date: October 15, 2018

Signature: *Alan Slack*
Quality Control