

Certificate of Analysis

Product: Goat anti-Troponin I, Peptide 3, Affinity Pure
(Amino Acid Sequence 27-40)

Part Number: GtxHu-093-D
Lot Number: 28-192-010614
Concentration: 5.51 mg/ml ($E^{1\%}$ at 280 nm = 13.0)
Amount: 1.0 mg
Form: Clear, colorless liquid, 0.2 μ m filtered
Purification: Affinity purified using solid-phase peptide 3
(-RAYATEPHAKKKS-)
Purity: > 95% based on HPLC
Host: Goat
Immunogen: Purified Human Cardiac Troponin, I subunit (Part# Hu-90-M)
Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative: 0.05 % (w/v) Sodium Azide
Storage: 2-8 °C
Expiration Date: July 22, 2024
Specificity: Human Cardiac Troponin I (cTNI) (Amino Acid Sequence 27-40)

Applications: This antibody is suitable for use in most immunoassay formats for the detection of Human Cardiac Troponin, I subunit.

Technical Tips: For quantitative sandwich assays, this antibody is recommended to be used as the conjugate detector antibody. It is recommended to use a suitable monoclonal capture antibody (i.e., HyTest Ltd: Clone 19C7 or 560). The optimal working dilution should be determined by the investigator.

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Testing Results

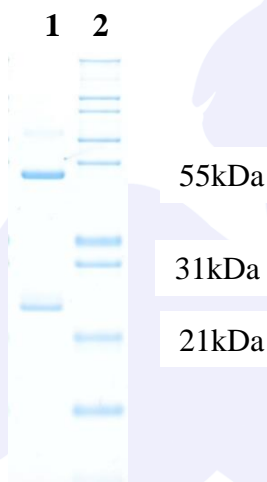
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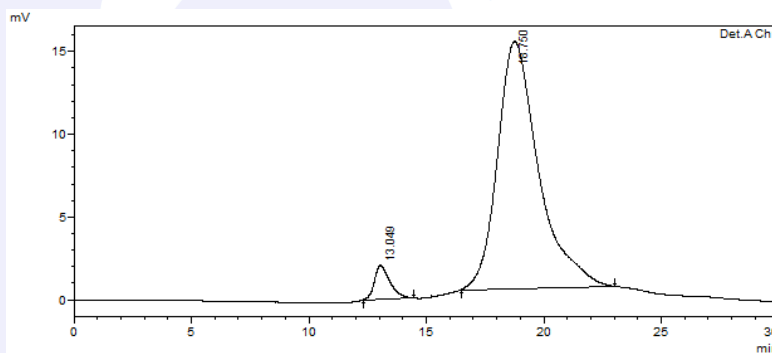
| <u>TESTS</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|--------------|--|----------------|
| Appearance: | Clear and Colorless | PASS |
| Purity: | Two predominant bands at 50 and 24 kDa based on SDS PAGE | PASS |
| Purity: | ≥95% monomeric IgG by HPLC | 95% |

SDS PAGE



- 1) GtxHu-093-D
- 2) Mol Weight Standard

HPLC



| Peak-Table | | | | |
|----------------------|-----------|---------|--------|---------|
| Detector A Ch1 280nm | | | | |
| Peak# | Ret. Time | Area | Height | Area % |
| 1 | 13.049 | 94271 | 2041 | 4.943 |
| 2 | 18.750 | 1812997 | 14914 | 95.057 |
| Total | | 1907268 | 16955 | 100.000 |

Date: July 22, 2021

Signature:  Quality Control