
Certificate of Analysis

Product: Goat anti-Human IgM (μ chain), HRP Conjugate

Part Number: GtxHu-006-EHRPX
Lot Number: 86-3-081020
Amount: 1.0 mg of lyophilized antibody ($E^{1\%}$ at 280 nm = 13.0)
(Product has been overfilled to ensure maximum recovery)

Label: Horseradish Peroxidase (HRP)
Form: Lyophilized
Purification: Affinity purified using solid phase Human IgM
Purity: Affinity purified antibody is $\geq 95\%$ based on SDS-PAGE
Host: Goat
Immunogen: Purified Human IgM, μ chain
Buffer: 10 mM Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 1 % (w/v) BSA, Protease/IgG free

Preservative: 0.1 % (v/v) ProClin 150 – *Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase*

Reconstitution: Rehydrate with 1.1 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:

- heavy (μ) chains on Human IgM

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

- light chains on all Human immunoglobulins
- non-immunoglobulin Human serum proteins
- Human IgA or IgG

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

Note: This conjugate was prepared using Part # GtxHu-006-E, Lot # 61-178-062520.

Applications: This conjugate is suitable for all immunoassay applications. 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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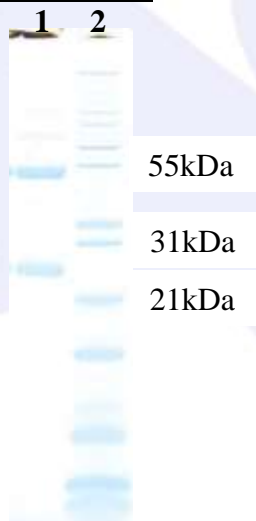
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Testing Results

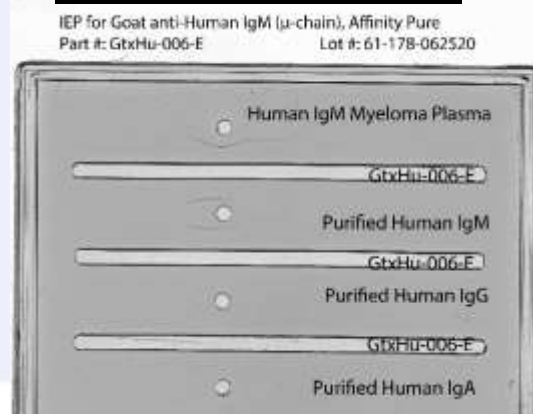
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<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Reddish powder	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS-PAGE	PASS
Specificity	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none">heavy (μ) chains on Human IgM	PASS
Cross Reactivity	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none">light chains on all Human immunoglobulinsnon-immunoglobulin Human serum proteinsHuman IgA or IgG	PASS PASS PASS
ELISA:	Dilution giving A^{450} reading of ≥ 1.0 when tested against Human IgM coated at 2 $\mu\text{g/ml}$	1: 80,000

SDS-PAGE



Immunoelectrophoresis (IEP)



- 1) GtxHu-006-E, Lot # 61-178-062520
- 2) Mol Weight Standard

Date: August 25, 2020

Signature:  Quality Control