

## Certificate of Analysis

Product: Goat anti-Human IgM ( $\mu$  chain), ALP Conjugate

Part Number: GtxHu-006-DALP  
Lot Number: 65-96-013119  
Amount: 1.0 mg @ 1.50 mg/ml ( $E^{1\%}$  at 280 nm = 13.0)  
Label: Alkaline Phosphatase (ALP)  
Form: Clear, colorless liquid  
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  
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:

- heavy ( $\mu$ ) 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

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

Note: Conjugate prepared using Part # GtxHu-006-D, lot # 62-100-080118.

Applications: The optimal working dilution should be determined by the investigator.  
Suitable for use in: ELISA, WB, IHC  
Suggested starting dilutions:

- 1:500-1:2,000 for Immunohistochemistry
- 1:500-1:8,000 for ELISA/Western blot

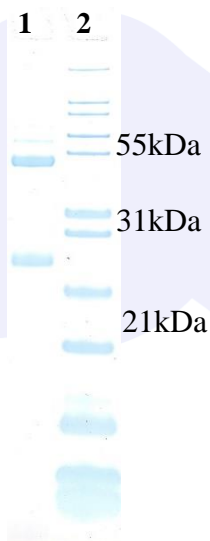
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## Testing Results

**PRODUCT:** Goat anti-Human IgM ( $\mu$  chain), ALP Conjugate  
**PART NUMBER:** GtxHu-006-DALP  
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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
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\mu</math>) chains on Human IgM</li></ul>	PASS
Cross Reactivity:	Based on IEP, this antibody does not have precipitin bands to: <ul style="list-style-type: none"><li>light chains on all Human immunoglobulins</li><li>non-immunoglobulin Human serum proteins</li></ul>	PASS PASS
ELISA:	Dilution giving $A^{405}$ reading of $\geq 1.0$ when tested against Human IgM coated at $2\mu\text{g/ml}$	1:8,000

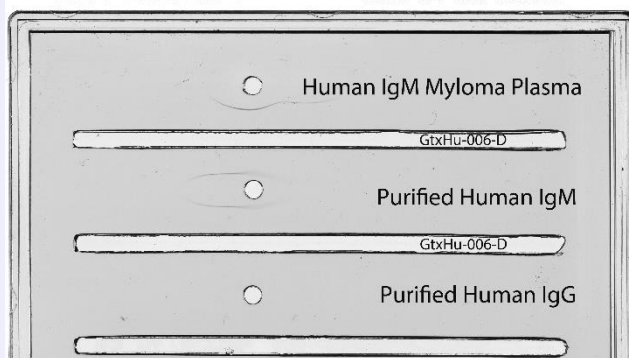
### SDS PAGE



- 1) GtxHu-006-D, Lot # 62-100-080118
- 2) Mol Weight Standard

### Immunoelectrophoresis (IEP)

IEP for Goat anti-Human IgM ( $\mu$  chain), Affinity Pure  
Part # GtxHu-006-D Lot # 62-100-080118



Date: February 07, 2019

Signature: \_\_\_\_\_

  
Quality Control