

## Certificate of Analysis

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

Part Number: GtxHu-006-DALP

Lot Number: 86-58-122320

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 # 71-59-060220.

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

Disclaimer: *For in vitro Laboratory Use Only.* 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 IgM ( $\mu$  chain), ALP Conjugate  
**PART NUMBER:** GtxHu-006-DALP  
**LOT NUMBER:** 86-58-122320

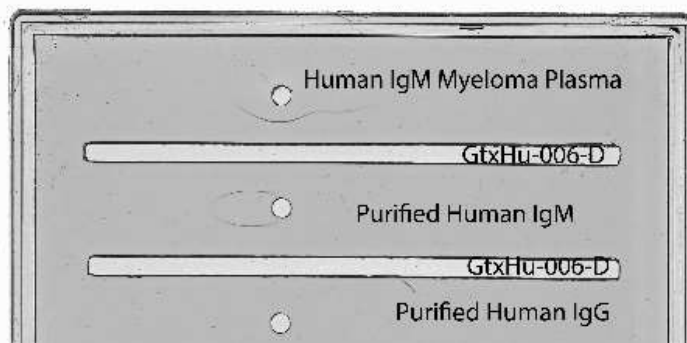
<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance:	Clear and Colorless	PASS
Purity:	Two predominant bands at 50 and 24 kDa based on SDS PAGE	PASS
Specificity:	Based on IEP, this antibody has precipitin bands with: <ul style="list-style-type: none"><li>heavy (<math>\mu</math>) chains on Human 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 $2\mu\text{g/ml}$	1:6,920

### SDS PAGE



### Immunoelectrophoresis (IEP)

IEP for Goat anti-Human IgM ( $\mu$ -chain), Affinity Pure  
Part #: GtxHu-006-D Lot #: 71-59-060220



- 1) GtxHu-006-D, Lot # 71-59-060220
- 2) Mol Weight Standard

Date: January 6, 2021

Signature:   
Quality Control