

## Certificate of Analysis

Product Name:

Anti-Human IgM (μ-chain specific) antibody produced in goat - affinity isolated antibody, lyophilized powder

**Product Number:** I0759  
**Batch Number:** SLBZ3823  
**Brand:** SIGMA  
**MDL Number:** MFCD00162459  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 21 SEP 2018

| Test  | Specification          | Result     |
|---|------------------------|------------|
| Appearance (Color)  | White to Off-White     | White      |
| Appearance (Form)   | Solid                  | Solid      |
| Solubility (Turbidity)  | Clear to Slightly Hazy | Clear      |
| after reconstitution to 1 mg/ml with<br>0.135 M NaCl  |                        |            |
| Solubility (Color)  | Colorless              | Colorless  |
| after reconstitution to 1 mg/ml with<br>0.135 M NaCl  |                        |            |
| Solubility (Form)   | Solution               | Solution   |
| after reconstitution to 1 mg/ml with<br>0.135 M NaCl  |                        |            |
| Protein Concentration by E280   | 1.00 - 1.50 mg/ml      | 1.14 mg/ml |
| after reconstitution  |                        |            |
| Specificity by IEP  | Conforms               | Conforms   |
| Single arc of precipitation in the<br>gamma-region when 100 μg is reacted<br>versus 5 μL of Normal Human Serum<br>containing bromophenol blue and 5 μg<br>Human IgM lambda and Human IgM kappa. |                        |            |
| Purity by IEP   | Conforms               | Conforms   |
| Single arc of precipitation in the<br>gamma-region when 5 μg is reacted<br>versus 100 μL of anti-goat whole serum<br>and 100 μL anti-goat IgG.  |                        |            |

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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| Test  | Specification | Result   |
|---|---------------|----------|
| Titer by SRID<br>1 mg will react with 0.5-5.0 mg a 1:1 mixture of Human IgM kappa and Human IgM lambda  | 0.5 - 5.0 mg  | 2.5 mg   |
| Indirect ELISA<br>Less than 10% of the reactivity vs a 1:1 mixture of Human IgM kappa and Human IgM lambda in a range where the positive reaction is titering out when tested against the following human source antigens: normal Human IgG, Human IgG (any subclass), Human IgA , Human IgA , Human BJ and Human BJ at 5?g/ml. NOTE: If IgA or IgA is not available normal IgA may be substituted. If normal IgG is not available IgG (any subclass) may be substituted. | Conforms      | Conforms |



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