

# Pig IgM Heavy Chain Antibody

Goat Polyclonal

Antigen Affinity Purified

Catalog No. A100-117A

Lot No. 240828

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                   |                      |                |                     |                |       |                                                     |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|----------------------|----------------|---------------------|----------------|-------|-----------------------------------------------------|
| <b>APPLICATIONS</b>          | WB, IHC, ICC, ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                   |                      |                |                     |                |       |                                                     |
| <b>SPECIES REACTIVITY</b>    | Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                   |                      |                |                     |                |       |                                                     |
| <b>AMOUNT</b>                | 1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                   |                      |                |                     |                |       |                                                     |
| <b>CONCENTRATION</b>         | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                   |                      |                |                     |                |       |                                                     |
| <b>STORAGE/SHELF LIFE</b>    | 2 – 8°C / 2 years from date of receipt                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                   |                      |                |                     |                |       |                                                     |
| <b>PHYSICAL STATE</b>        | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                   |                      |                |                     |                |       |                                                     |
| <b>BUFFER</b>                | Phosphate Buffered Saline (PBS) containing 0.09% Sodium Azide                                                                                                                                                                                                                                                                                                                                                                                                              |              |                   |                      |                |                     |                |       |                                                     |
| <b>ISOTYPE</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                   |                      |                |                     |                |       |                                                     |
| <b>ORIGIN</b>                | USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                   |                      |                |                     |                |       |                                                     |
| <b>PRODUCTION PROCEDURES</b> | <p>Antiserum was solid phase adsorbed to ensure class specificity. The antibody was isolated by affinity chromatography using antigen coupled to agarose beads.</p> <p>Immunoglobulin concentration was determined using Beer's Law where 1 mg/mL IgG has an A280 of 1.4.</p> <p>By immunoelectrophoresis and ELISA this antibody reacts specifically with pig IgM. This antibody may cross react with IgM from other species.</p>                                         |              |                   |                      |                |                     |                |       |                                                     |
| <b>APPLICATIONS</b>          | <p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:1000 – 1:30,000</td></tr><tr><td>Immunohistochemistry</td><td>1:200 – 1:2000</td></tr><tr><td>Immunocytochemistry</td><td>1:200 – 1:2000</td></tr><tr><td>ELISA</td><td>1:1000 – 1:30,000; for coating plates 1:100 – 1:500</td></tr></table> | Western Blot | 1:1000 – 1:30,000 | Immunohistochemistry | 1:200 – 1:2000 | Immunocytochemistry | 1:200 – 1:2000 | ELISA | 1:1000 – 1:30,000; for coating plates 1:100 – 1:500 |
| Western Blot                 | 1:1000 – 1:30,000                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                   |                      |                |                     |                |       |                                                     |
| Immunohistochemistry         | 1:200 – 1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                   |                      |                |                     |                |       |                                                     |
| Immunocytochemistry          | 1:200 – 1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                   |                      |                |                     |                |       |                                                     |
| ELISA                        | 1:1000 – 1:30,000; for coating plates 1:100 – 1:500                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                   |                      |                |                     |                |       |                                                     |
| <b>APPLICATION NOTES</b>     | Not all listed applications have been specifically tested by our laboratory.                                                                                                                                                                                                                                                                                                                                                                                               |              |                   |                      |                |                     |                |       |                                                     |
| <b>ADDITIONAL INFO</b>       | Please visit our website for additional product information.                                                                                                                                                                                                                                                                                                                                                                                                               |              |                   |                      |                |                     |                |       |                                                     |

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD

Date: August 29, 2024