

## Anti-ME2 Antibody (3E42)

## Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG1, k                              |
| Reactivity:       | Human,Mouse                          |
| Molecular Weight: | Theoretical: 63 kDa. Actual: 63 kDa. |
| Clone:            | 3E42                                 |
| Purification:     | Protein G purified                   |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | <p>1. Paraformaldehyde-fixed, paraffin embedded (human kidney tissue sections); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ME2) Monoclonal Antibody, Unconjugated (TMAB-08698) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p> <p>2. Sample:</p> <p>Lane 1: HL-60 cell lysates<br/>Lane 2: NIH/3T3 cell lysates<br/>Lane 3: Jurkat cell lysates<br/>Primary: Anti-ME2 (TMAB-08698) at 1/4000 dilution<br/>Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution<br/>Predicted band size: 63 kD<br/>Observed band size: 63 kD</p> |
| Application:       | WB,IHC-P,IHC-Fr,IF  |
| Recommended        | WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200   |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human ME2 |
| Antigen Species: | Human                                       |
| Gene ID:         | 4200  |
| Uniprot ID:      | P23368                                      |

## Research Background

This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple

transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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