

## Anti-MCM6 Antibody Picoband® (monoclonal, 3I4C8) Fluoro550 Conjugated

Catalog Number: M02755-1-Fluoro550

### About MCM6

MCM6 (Minichromosome maintenance, *s. pombe*, homolog of, 6) is a protein that in humans is encoded by the MCM6 gene. MCM6 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The MCM genes were originally identified in yeast defective in minichromosome maintenance and have since been shown to play roles in the progression of the cell cycle; many are cell division control genes. The MCM6 gene is mapped on 2q21.3. MCM6 has recently been shown to interact strongly with Cdt1 at defined residues, by mutating these target residues Wei et al. observed lack of Cdt1 recruitment of MCM2-7 to the pre-RC. An approximately 200-kb region surrounding the C/T(-13910) polymorphism in MCM6 intron 13 functioned as an enhancer of the lactase gene promoter in intestinal cell culture.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-MCM6 Antibody Picoband® (monoclonal, 3I4C8) Fluoro550 Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Monoclonal 3I4C8   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Mouse  |
| Uniprot ID           | Q14566   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human MCM6 recombinant protein (Position: Q14-D821). |
| Cross Reactivity | No cross-reactivity with other proteins.                            |
| Isotype          | Mouse IgG2b   |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Fluoro550<br>Excitation Wavelength: 562 nm                          |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 576 nm  |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

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