# Mouse anti-Human CENPM Monoclonal Antibody | anti-CENPM antibody

CENPM (C22orf18, ICEN39, PANE1, Centromere Protein M, Interphase Centromere Complex Protein 39, Proliferation-associated Nuclear Element Protein 1, MGC861, PANE1, BK250D10.2) (PE)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA25627** | **Mouse** | **Human** | **ELISA, Immunofluorescence, Immunoprecipitation, Western Blot** |

## PRODUCT SYNONYMS

CENPM; Monoclonal Antibody; CENPM (C22orf18; ICEN39; PANE1; Centromere Protein M; Interphase Centromere Complex Protein 39; Proliferation-associated Nuclear Element Protein 1; MGC861; BK250D10.2) (PE); anti-CENPM antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1,k |
| **Clone Number** | 4C12-2C8 |
| **Specificity** | Recognizes human C22orf18. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE). |
| **Applicable Applications for anti-CENPM antibody** | ELISA, IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot) |
| **Application Notes** | IF: 10ug/ml<br>Applications are based on unconjugated antibody. |
| **Immunogen** | Full length recombinant corresponding to aa1-181 from C22orf18 (AAH00705) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MSVLRPLDKLPGLNTATILLVGTEDALLQQLADSMLKEDCASELKVHLAKSLPLPSSVNRPRIDLIVFVVNLHSKYSLQNTEESLRHVDASFFLGKVCFLATC |
| **Conjugate** | PE |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |

## IMAGES

**WB (Western Blot)**
C22orf18 monoclonal antibody, Western Blot analysis of C22orf18 expression in K-562.

**Application Data**
Detection limit for recombinant GST tagged C22orf18 is ~0.03ng/ml as a capture antibody.

**IP (Immunoprecipitation)**
Immunoprecipitation of CENPM transfected lysate using CENPM monoclonal antibody and Protein A Magnetic Bead and immunoblotted with CENPM rabbit polyclonal antibody.

**IF (Immunofluorescence)**
Immunofluorescence of monoclonal antibody to MGC861 on HeLa cell. [antibody concentration 10ug/ml].

**WB (Western Blot)**
Western Blot analysis of CENPM expression in transfected 293T cell line by C22orf18 monoclonal antibody. Lane 1: CENPM transfected lysate (19.7kD). Lane 2: Non-transfected lysate.

**WB (Western Blot)**
Western Blot detection against Immunogen (45.91kD).

## ADDITIONAL INFORMATION

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|---|---|
| **Product Categories/Family for anti-CENPM antibody** | Antibodies; Centromeres |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 34783063 |
| **NCBI GeneID** | 79019 |
| **Molecular Weight** | 11,687 Da |
| **NCBI Official Full Name** | Homo sapiens centromere protein M, mRNA |
| **NCBI Official Synonym Full Names** | centromere protein M |
| **NCBI Official Symbol** | CENPM |
| **NCBI Official Synonym Symbols** | PANE1; CENP-M; C22orf18 |
| **NCBI Protein Information** | centromere protein M |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/cenpm-antibody-clone-4c12-2c8-immunofluorescence-immunoprecipitation-western-blot-elisa/25627