

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) (HRP)

CATALOG # AAA25334	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunoprecipitation, Western Blot
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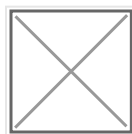
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

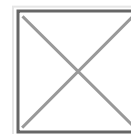
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4C12-2C8
Specificity	Recognizes human C22orf18.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-CENPM antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	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	MSVLRPLDKLPGLNTATILLVGTEALLQQLADSMKEDCASELKVHLAKSLPLSSVNRPRIDLIVFVNLHLSKYSYLQNTESLRHVDASFFLGKVCFLATC
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. To immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP 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

Related Product Information for anti-CENPM antibody	The centromere is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA (MIM 117139) replaces histone H3 (see MIM 601128). CENPM is an additional factor required for centromere assembly (Foltz et al., 2006 [PubMed 16622419]).
Product Categories/Family for anti-CENPM antibody	Antibodies ; Centromeres

NCBI AND UNIPROT INFORMATION

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-immunoprecipitation-western-blot-elisa/25334>