

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)

CATALOG # AAA24093	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunoprecipitation, Immunofluorescence
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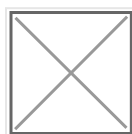
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

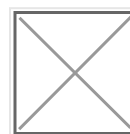
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4C12-2C8
Specificity	Recognizes human C22orf18.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	MSVLRPLDKL PGLNTATILL VGTEDALLQQ LADSMKEDC ASELKVHLAK SLPLPSSVNR PRIDLIVFVV NLHSKYSLQN TEESLRHVDA SFFLGKVCFL ATGAGRESHC SIHRHTVVKL AHYQSPPLY CDLEVEGFRA TMAQRLVRVL QICAGHVPV SALNLLSLR SSEGPSLEDL
Applicable Applications for anti-CENPM antibody	ELISA, WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunoprecipitation. Dilution: Immunofluorescence: 10ug/ml
Immunogen	Full length recombinant corresponding to aa1-181 from C22orf18 (AAH00705) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

C22orf18 monoclonal antibody, Western Blot analysis of C22orf18 expression in K-562.



Application Data

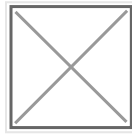
Detection limit for recombination GST tagged C22orf18 is ~0.03ng/ml as a capture antibody.

**IP (Immunoprecipitation)**

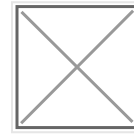
Immunoprecipitation of CENPM transfected lysate using CENPM monoclonal antibody and Protein A Magnetic Bead and immunoblotted with CENPM rabbit polyclonal antibody.

**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 ; Abs to Centromeres

NCBI AND UNIPROT INFORMATION

NCBI GI #	158966691
NCBI GeneID	79019
NCBI Accession #	NP_001103685.1
NCBI GenBank Nucleotide #	NM_001110215.1
UniProt Accession #	Q9NSP4; Q6I9W3; A7LM22; B1AHQ9
Molecular Weight	19,737 Da
NCBI Official Full Name	centromere protein M isoform c
NCBI Official Synonym Full Names	centromere protein M
NCBI Official Symbol	CENPM
NCBI Official Synonym Symbols	PANE1; CENP-M; C22orf18; bK250D10.2
NCBI Protein Information	centromere protein M; interphase centromere complex protein 39; proliferation associated nuclear element 1; proliferation-associated nuclear element protein 1
UniProt Protein Name	Centromere protein M
UniProt Gene Name	CENPM
UniProt Synonym Gene Names	C22orf18; ICEN39; PANE1; CENP-M
UniProt Entry Name	CENPM_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cenpm-antibody-clone-4c12-2c8-western-blot-immunoprecipitation-immunofluorescence-elisa/24093>