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Not for use in diagnostic procedures.**



 **My select** sampler set

Anti- α -Tubulin mAb-Alexa Fluor[®] 488

CODE No. M175-A48MS

CLONALITY Monoclonal
CLONE 2F9
ISOTYPE Mouse IgG2a κ
QUANTITY 20 μ L, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Human α -Tubulin, N-terminal (synthetic peptide)
FORMURATION PBS containing 1% BSA and 0.09% NaN₃.

*Azide may react with copper or lead in plumbing system to form explosive metal azides. Therefore, always flush plenty of water when disposing materials containing azide into drain.

STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATIONS-CONFIRMED

Immunocytochemistry 10 μ g/mL

SPECIES CROSS REACTIVITY on WB

Species	Human	Mouse	Rat	Hamster	Chicken
Cells	HeLa	NIH/3T3	NRK	CHO	MuH1
Reactivity	+	+	+	+	+

Entrez Gene ID 7846 (Human), 22142 (Mouse), 64158 (Rat)

REFERENCES
1) Heald, R., and Nogales, E., *J. Cell Sci.* **115**, 3-4 (2002)
2) Hall, J. L., and Cowan, N. J., *Nucleic Acids Res.* **13**, 207-223 (1985)

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RELATED PRODUCTS

M175-3 Anti- α -Tubulin mAb (2F9)
 M175-A48 Anti- α -Tubulin mAb-Alexa Fluor[®] 488 (2F9)
 M175-A59 Anti- α -Tubulin mAb-Alexa Fluor[®] 594 (2F9)
 M175-A64 Anti- α -Tubulin mAb-Alexa Fluor[®] 647 (2F9)
 PM054 Anti- α -Tubulin pAb
 PM054-7 Anti- α -Tubulin pAb-HRP-Direct
 M176-3 Anti-EEA1 mAb (3C10)
 M176-A48 Anti-EEA1 mAb-Alexa Fluor[®] 488 (3C10)
 M176-A59 Anti-EEA1 mAb-Alexa Fluor[®] 594 (3C10)
 M176-A64 Anti-EEA1 mAb-Alexa Fluor[®] 647 (3C10)
 PM062 Anti-EEA1 pAb
 M178-3 Anti-Calnexin mAb (4F10)
 M178-A48 Anti-Calnexin mAb-Alexa Fluor[®] 488 (4F10)
 M178-A59 Anti-Calnexin mAb-Alexa Fluor[®] 594 (4F10)
 M178-A64 Anti-Calnexin mAb-Alexa Fluor[®] 647 (4F10)
 PM060 Anti-Calnexin pAb
 M181-3 Anti-KDEL mAb (1D5)
 PM059 Anti-KDEL pAb
 M179-3 Anti-GM130 mAb (5G8)
 M179-A48 Anti-GM130 mAb-Alexa Fluor[®] 488 (5G8)
 M179-A59 Anti-GM130 mAb-Alexa Fluor[®] 594 (5G8)
 M179-A64 Anti-GM130 mAb-Alexa Fluor[®] 647 (5G8)
 PM061 Anti-GM130 pAb
 PM063 Anti-COX4 pAb
 PM064 Anti-Lamin B1 pAb

 D115-3 Anti-CENP-A (Human) mAb (3-19)
 PD030 Anti-CENP-C (Human) pAb
 K0171-3 Anti-CENP-E (Human) mAb (1H12)
 PD031 Anti-CENP-H (Human) pAb
 PD032 Anti-CENP-I (hMis6) (Human) pAb
 D282-3 Anti-CENP-K (ICEN37) (Human) mAb (46F1)
 PD018 Anti-CENP-K (ICEN37) (Human) pAb
 D283-3 Anti-CENP-L (ICEN33) (Human) mAb (27E10)
 D284-3 Anti-CENP-M (ICEN39) (Human) mAb (23F6)
 D285-3 Anti-CENP-N (ICEN32) (Human) mAb (22F4)
 PD020 Anti-CENP-O (Chicken) pAb
 D286-3 Anti-CENP-T (ICEN22) (Human) mAb (42F10)
 PD019 Anti-CENP-50 (Human) pAb
 D288-3 Anti-MgcRacGAP (Human) mAb (5G5)

 PM036 Anti-LC3 pAb [WB, IP, IC, IHC, FCM]
 M152-3 Anti-LC3 mAb (4E12) [WB, IP, IC, FCM, EM]
 M186-3 Anti-LC3 mAb (8E10) [WB]
 PD014 Anti-LC3 pAb [WB]
 PD015 Anti-LC3 pAb [IC]
 PM046 Anti-LC3 pAb [WB, IC]
 M115-3 Anti-LC3 mAb (51-11) [WB]
 PM040 Anti-Atg16L pAb
 M150-3 Anti-Atg16L mAb (1F12)

WB: Western blotting
 IP: Immunoprecipitation
 IC: Immunocytochemistry
 IHC: Immunohistochemistry
 FCM: Flow cytometry
 EM: Immuno-electron microscopy

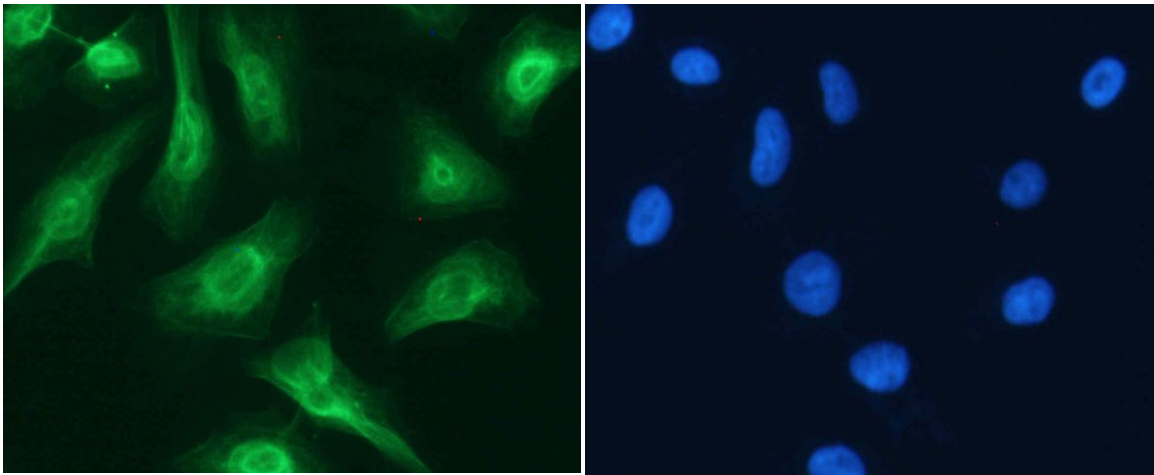
Other related antibodies and kits are also available.

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Immunocytochemistry

- 1) Spread the cells in the nutrient condition on a glass slide, then incubate in a CO₂ incubator for one night.
- 2) Remove the culture supernatant by careful aspiration.
- 3) Fix the cells by immersing the slide in 4% paraformaldehyde (PFA)/PBS for 10 minutes at room temperature (20~25°C).
- 4) Prepare a wash container such as a 500 mL beaker with a magnetic stirrer. Then wash the fixed cells on the glass slide by soaking the slide with a plenty of PBS in the wash container for 5 minutes. Take care not to touch the cells. Repeat another wash twice more.
- 5) Immerse the slide in 0.2% Triton X-100/PBS for 10 minutes at room temperature.
- 6) Wash the slide 2 times with PBS.
- 7) Add 200 µL of the primary antibody diluted with 2% fetal calf serum (FCS)/PBS as suggested in the **APPLICATIONS** onto the cells and incubate for 30 minutes at room temperature. (Optimization of antibody concentration or incubation condition is recommended if necessary.)
- 8) Wash the slide 2 times with PBS.
- 9) Counter stain with DAPI for 5 minutes at room temperature.
- 10) Wash the slide 2 times with PBS.
- 11) Wipe excess liquid from slide but take care not to touch the cells. Never leave the cells to dry.
- 12) Promptly add mounting medium onto the slide, then put a cover slip on it.

(Positive control for Immunocytochemistry; HeLa)



Immunocytochemical detection of α -Tubulin in HeLa

Green: M175-A48
Blue: DAPI