

For Research Use Only.
Not for use in diagnostic procedures.

Anti-EEA1 mAb-Alexa Fluor[®] 488

CODE No. M176-A48

CLONALITY Monoclonal
CLONE 3C10
ISOTYPE Mouse IgG2a κ
QUANTITY 100 μ L, 1 mg/mL

SOURCE Purified IgG from hybridoma supernatant
IMMUNOGEN Human EEA1, N-terminal (synthetic peptide)
FORMULATION PBS containing 1% BSA and 0.1% ProClin150.
STORAGE This antibody solution is stable for one year from the date of purchase when stored at 4°C.

APPLICATION-CONFIRMED

Immunocytochemistry 10 μ g/mL

SPECIES CROSS REACTIVITY on WB

Species	Human	Mouse	Rat	Hamster
Cells	HeLa, A549	NIH/3T3, MEF	NRK	Not tested
Reactivity	+	+	+	

Entrez Gene ID 8411 (Human), 216238 (Mouse), 314764 (Rat)

REFERENCES
1) Gaullier, J. M., *et al.*, *J. Biol. Chem.* **275**, 24595-24600 (2000)
2) Mu, F. T., *et al.*, *J. Biol. Chem.* **270**, 13503-13511 (1995)

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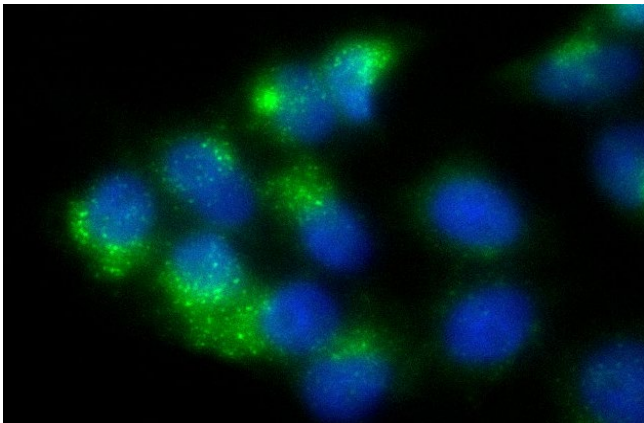
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

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 min. 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 min. 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 min. 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 min. 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 min. 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 EEA1 in HeLa

Green: M176-A48
Blue: DAPI