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



## Anti-HA-tag mAb-Alexa Fluor® 594

**CODE No.** M180-A59

CLONALITY Monoclonal
CLONE TANA2

ISOTYPE Manage Local

 $\begin{array}{ll} \textbf{ISOTYPE} & \textbf{Mouse IgG2b } \kappa \\ \textbf{QUANTITY} & 100 \ \mu\text{L}, \ 1 \ \text{mg/mL} \end{array}$ 

**SOURCE** Purified IgG from hybridoma supernatant

**IMMUNOGEN** KLH conjugated synthetic peptide, YPYDVPDYA (HA-tag)

**REACTIVITY** This antibody reacts with N-terminal and C-terminal HA-tagged proteins.

**FORMULATION** PBS containing 1% BSA and 0.1% ProClin 150.

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

### APPLICATION-CONFIRMED

Immunocytochemistry 1 μg/mL

REFERENCE 1) Al-Robaiy, S., et al., Am. J. Physiol. Lung Cell Mol. Physiol. 305, L491-L500 (2013) [IC]

For more information, please visit our web site https://ruo.mbl.co.jp/.

#### LABEL LICENSES:

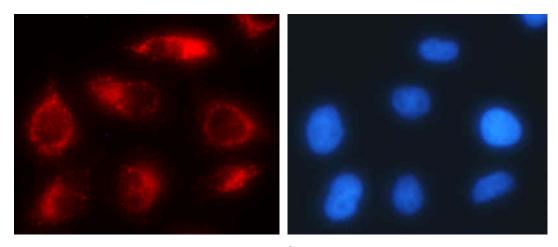
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The descriptions of the following protocols are examples. Each user should determine the appropriate condition.

#### **Immunocytochemistry**

- 1) Spread the cells in the nutrient condition on a glass slide, then incubate in a CO<sub>2</sub> 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 once more
- 5) Immerse the slide in 0.2% Triton X-100/PBS for 10 min. at room temperature.
- 6) Wash the slide in a plenty of PBS as in the step 4).
- 7) Cover each cell with normal goat serum for 5 min. at room temperature.
- 8) Add 200 µL of the primary antibody diluted with 2% fetal calf serum (FCS)/PBS as suggested in the **APPLICATION** onto the cells and incubate for 1 hr. at room temperature. (Optimization of antibody concentration or incubation condition is recommended if necessary.)
- 9) Wash the slide in a plenty of PBS as in the step 4).
- 10) Wipe excess liquid from slide but take care not to touch the cells. Never leave the cells to dry.
- 11) Counter stain with DAPI for 5 min. at room temperature.
- 12) Wash the slide in a plenty of PBS as in the step 4).
- 13) Promptly add mounting medium onto the slide, then put a cover slip on it.



Immunocytochemical detection of HA-tagged protein in HeLa

Red: Anti-HA-tag mAb-Alexa Fluor® 594 (MBL, code no. M180-A59)

Blue: DAPI