

Anti-HA-tag mAb-Alexa Fluor[®] 594

CODE No.	M180-A59
CLONALITY	Monoclonal
CLONE	TANA2
ISOTYPE	Mouse IgG2b κ
QUANTITY	100 μ L, 1 mg/mL
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	
<u>Immunocytochemistry</u>	1 μ g/mL
REFERENCE	1) Al-Robaiy, S., <i>et al.</i> , <i>Am. J. Physiol. Lung Cell Mol. Physiol.</i> 305 , L491-L500 (2013) [IC]

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

LABEL LICENSES:

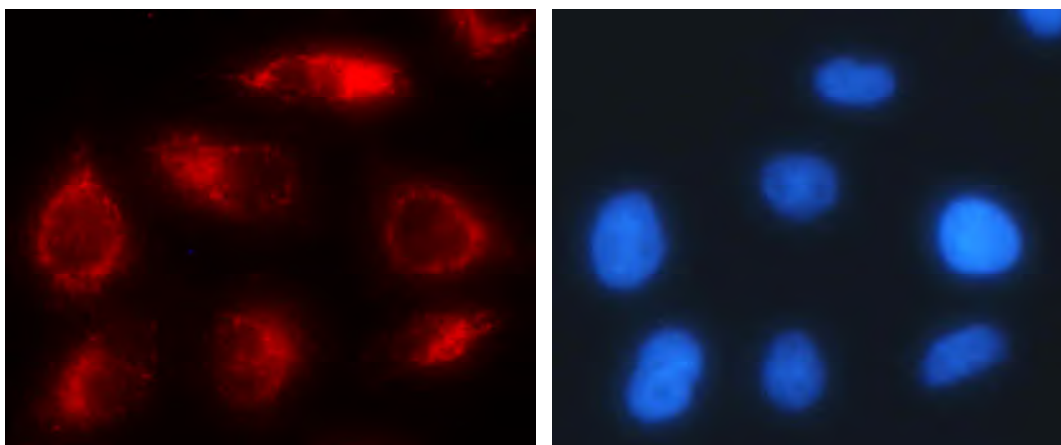
This product is provided under an agreement between LIFE TECHNOLOGIES Corporation, and Medical & Biological Laboratories Co., LTD, and the manufacture, use, sale or import of this product may be subject to one or more U.S. patents, pending applications, and corresponding non-U.S. equivalents, owned by or licensed to LIFE TECHNOLOGIES Corporation. For information on purchasing a license to this product for any other use, contact LIFE TECHNOLOGIES Corporation, Molecular Probes Detection Technologies, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, USA, Tel: (541) 465-8300. Fax: (541) 335-0504.

Alexa Fluor[®] is a registered trademark of Molecular Probes, Inc

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 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