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MBL
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MONOCLONAL ANTIBODY

Anti-Myc-tag mAb-Alexa Fluor® 594

Code No.	Clone	Subclass	Quantity	Concentration
M047-A59	PL14	Mouse IgG1 κ	100 µL	1 mg/mL

BACKGROUND: Epitope tagging has widely been accepted technique that the fuse an epitope peptide to a certain protein as a marker for gene expression. With this technique, the gene expression can be easily monitored on western blotting, immunoprecipitation and immunofluorescence utilizing with an antibody that recognizes such an epitope. Amino acid sequences that are widely used for the epitope tagging are as follow; YPYDVPDYA (HA-tag), EQKLISEEDL (Myc-tag) and YTDIEMNRLGK (VSV-G-tag), which corresponding to the partial peptide of Influenza hemagglutinin protein, human c-myc gene product and Vesicular stomatitis virus glycoprotein respectively.

SOURCE: This antibody was purified from mouse ascites fluid using protein A agarose. This hybridoma (clone PL14) was established by fusion of mouse myeloma cell P3U1 with Balb/c mouse splenocyte immunized with 6myc-tag fusion protein.

FORMULATION: 100 µg IgG in 100 µL volume of 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.

REACTIVITY: This antibody reacts with Myc-tag on Immunocytochemistry.

APPLICATION:
Immunocytochemistry; 5 µg/mL
*Please refer to the data sheet (MBL code no. M047-3) for other applications.

Detailed procedure is provided in the following **PROTOCOL**.

INTENDED USE:
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REFERENCES:
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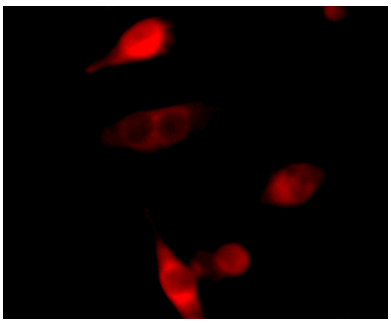
PROTOCOL:
Immunocytochemistry
1) Culture the cells in the appropriate condition on a glass slide. (For example, spread 1 x 10^4 cells for one slide, and then incubate in a CO_2 incubator for one night.)
2) Wash the cells 3 times with PBS.
3) Fix the cells by immersing the slide in PBS containing 4% paraformaldehyde (PFA) for 10 minutes at room temperature.
4) Wash the glass slide 2 times with PBS.
5) Immerse the slide in PBS containing 0.1% Triton X-100 for 10 minutes at room temperature.
6) Wash the glass slide 2 times with PBS.
7) Add the primary antibody diluted with PBS as suggested in the **APPLICATION** 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 glass slide 2 times with PBS.
9) Wipe excess liquid from slide but take care not to touch the cells. Never leave the cells to dry.
10) Promptly add mounting medium onto the slide, then put a cover slip on it.



Immunocytochemical detection of Myc-tag in transfectant with M047-A59.

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