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

A JSR Life Sciences Company

# Anti-DDDDK-tag-Alexa Fluor® 594

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| **CODE No.** | M185-A59 |
| **CLONALITY** | Monoclonal |
| **CLONE** | FLA-1 |
| **ISOTYPE** | Mouse IgG2a κ |
| **QUANTITY** | 100 µL, 1 mg/mL |
| **SOURCE** | Purified IgG from hybridoma supernatant |
| **IMMUNOGEN** | KLH conjugated DYKDDDDK peptide |
| **REACTIVITY** | This antibody reacts with N-terminal, Internal and C-terminal DDDDK-tagged (DYKDDDDK) 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**

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| Immunocytochemistry | 0.5-1 µg/mL |

**REFERENCE**

1) Deo, V. K., *et al.*, *Pharm. Res.* **31**, 2166-2177 (2014) [IC]

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

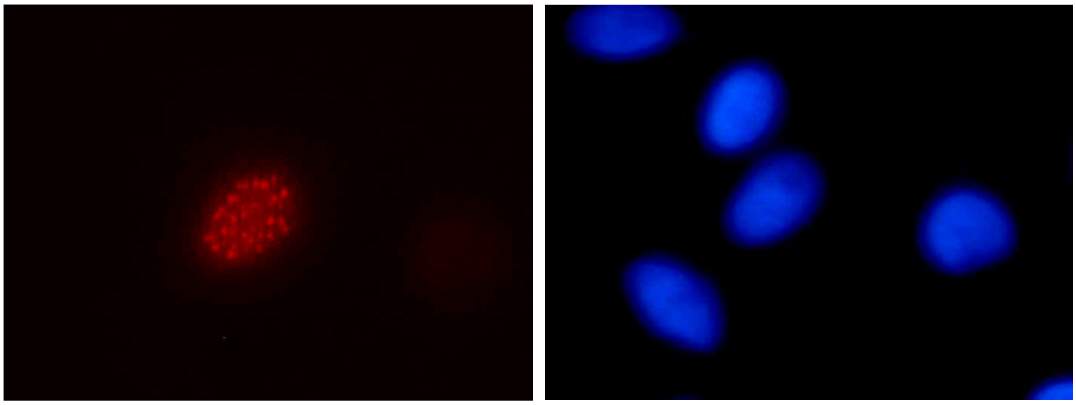
**RELATED PRODUCTS**

Other related antibodies and kits are also available.
Please visit our website at https://ruo.mbl.co.jp/

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 $CO_2$ 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 Clear Back (human Fc receptor blocking reagent, MBL; code no. MTG-001) for 5 min. at room temperature.
8) Add 200 µL of the primary antibody diluted with PBS as suggested in the **APPLICATIONS** 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 DDDDK-tagged protein in HeLa***
Red: M185-A59
Blue: DAPI