

**Brilliant Violet 650™ anti-mouse/human Ki-67**

**Catalog # / Size:** 1356075 / 50 µg

**Clone:** 11F6

**Isotype:** Rat IgG2b, κ

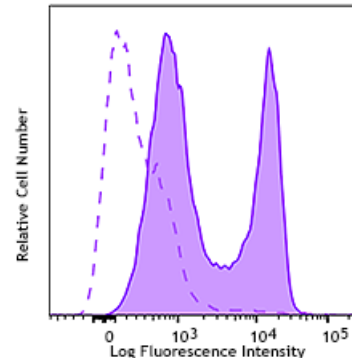
**Immunogen:** *E. coli* expressed, N-terminal His-Thioredoxin-tagged, partial mKi-67 (1816-2163 aa) recombinant protein.

**Reactivity:** Human, Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 650™ under optimal conditions.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)

**Concentration:** 0.2 mg/mL



C57BL/6J splenocytes treated with ConA and IL-2 for 2 days were fixed, permeabilized with 70% ethanol, and stained with Ki-67 (clone 11F6) Brilliant Violet 650™ (filled histogram) or rat IgG2b, κ (clone RTK4530) Brilliant Violet™ 650 isotype control (open histogram).

**Applications:**

**Applications:** Intracellular Staining for Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 650™ excites at 405 nm and emits at 645 nm. The bandpass filter 660/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 650™ is a trademark of Sirigen Group Ltd.

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**Description:** The nuclear protein Ki-67 was first identified by the monoclonal antibody Ki-67, which was generated by immunizing mice with nuclei of the L428 Hodgkin lymphoma cell line. Ki-67 protein plays an essential role in ribosomal RNA transcription and cell proliferation. Expression of Ki-67 occurs during G1, S, G2, and M phase. While in G0 phase, the Ki-67 protein is not detectable. Ki-67 is strongly expressed in proliferating cells and has been reported as a prognostic marker in various tumors.

**Antigen  
References:**

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