

Code No. 10161

**Anti-Human
Rad51 (1B1) Mouse IgG MoAb**

Volume : 100 µg

Introduction : The highly conserved *Saccharomyces cerevisiae* Rad51 protein plays a central role in both mitotic and meiotic homologous DNA recombination. Seven members of the Rad51 family have been identified in vertebrate cells, including Rad51, Dmc1, and five Rad51-related proteins referred to as Rad51 paralogs, which share 20 to 30% sequence identity with Rad51.

Antigen : Recombinant Human Rad51

Source : Mouse-Mouse hybridoma, culture medium

Clone : 1B1

Subclass : IgG₁

Purification : Affinity Purified with Anti-Mouse IgG

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1 ml distilled water will be added to the product

Dilution : PBS (pH7.4) containing 1% BSA

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for western blotting in concentration of 1 µg/ml.

Reactivity : Confirmed in human Rad51 transfectant

Reference : Shinohara A., et al. Homologous recombination and the role of double-strand breaks.
Trends Biol. Sci. 20 : 387-391 1995

Kowalczykowski S.C., et al. Homologous pairing and DNA strand-exchange protein. Annu.
Rev. Biochem. 63 : 991-1043. 1994

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