

## Mouse Monoclonal Antibody to RAD52

Catalogue Number	sAP-1233
Target Molecule	<b>Name: RAD52</b> <b>Aliases:</b> <b>MW: 46.2kDa</b> <b>Entrez Gene ID: 5893</b>
Description	The protein encoded by this gene shares similarity with <i>Saccharomyces cerevisiae</i> Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.;
Immunogen	Purified recombinant fragment of human RAD52 (AA: 269-418) expressed in <i>E. Coli</i> .
Recitative Species	Human;
Clone	MM5E11B2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: ; FCM:
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Blood. 2013 Aug 15;122(7):1293-304. ; 2.PLoS One. 2012;7(11):e50461.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**