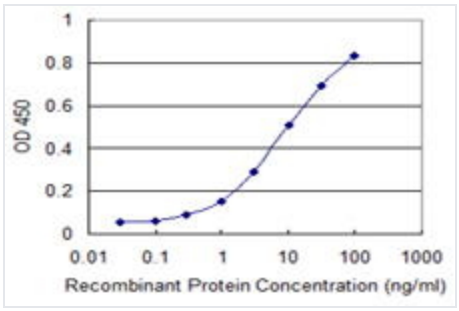
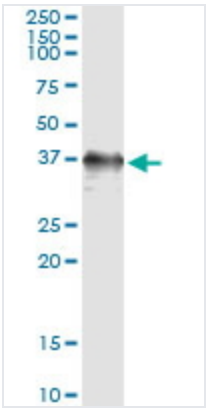
RAD51 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	RAD51, Monoclonal Antibody
Full Product Name	RAD51 (RAD51 Homolog (RecA Homolog, E. coli) (S. cerevisiae), BRCC5, HRAD51, HsRad51, HsT16930, RAD51A, RECA) (PE)
Product Gene Name	anti-RAD51 antibody
Product Synonym Names	RAD51 Homolog (RecA Homolog; E. coli) (S. cerevisiae); BRCC5; HRAD51; HsRad51; HsT16930; RAD51A; RECA
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4C11-B4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes RAD51.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo cap.
Immunogen	RAD51 (AAH01459, 1aa-242aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAMQMQLEANADTSVEEESFGPQPISRLEQCGINANDVKKLEEAGFHTVEAVAYAPKKELINIKGISEAKADKILAVAERYGLSGSDVLDNVAYARAFNTDI
Conjugate	PE
Product Categories/Family for anti-RAD51 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-RAD51 antibody	Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-RAD51 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-RAD51 antibody	The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and Saccharor roles in homologous pairing and strand transfer of DNA. This protein is also found to interact with BRCA1 and BRCA2, which may be important for the leading to genomic instability and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by Re
Other Notes	Small volumes of anti-RAD51 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for RAD51 purchase	MBS6186972 is an antibody targeting RAD51. Also known as RAD51 (RAD51 Homolog (RecA Homolog, E. coli) (S. cerevisiae), BRCC5, HRAD51, Hs



Testing Data of anti-RAD51 antibody
Detection limit for recombinant GST tagged RAD51 is 0.1 ng/ml as a capture antibody.



Immunoprecipitation (IP) of anti-RAD51 antibody
Immunoprecipitation of RAD51 transfected lysate using anti-RAD51 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with RAD51 MaxPab rabbit polyclonal antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAD51. It may not necessarily be applicable to this product.

NCBI GI #	12655203
NCBI GeneID	5888
NCBI Accession #	AAH01459
UniProt Related Accession #	Q06609
NCBI Official Full Name	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)
NCBI Official Synonym Full Names	RAD51 recombinase
NCBI Official Symbol	RAD51
NCBI Official Synonym Symbols	RECA; BRCC5; FANCR; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930
Protein Family	DNA repair protein
NCBI Protein Information	DNA repair protein RAD51 homolog 1
Research Articles on RAD51	**1.** a complex role of SNPs within Rad51 (especially rs5030789) and Xrcc3 in breast cancer
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/rad51/6186972