BRCA2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	BRCA2, Monoclonal Antibody
Full Product Name	BRCA2 (Breast Cancer Type 2 Susceptibility Protein, Fanconi Anemia Group D1 Protein, FACD, FANCD1) (MaxLight 490)
Product Gene Name	anti-BRCA2 antibody
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	3D12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human BRCA2.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	Partial recombinant corresponding to aa3319-3418 from human BRCA2 (NP_000050) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SPQMTPFKKFNEISLLESNSIADEELALINTQALLSGSTGEKQFISVSESTRTAPTSSEDYLRLKRRCTTSLIKEQESSQASTEECEKNKQDTITTKKYI
Conjugate	MaxLight490
Product Categories/Family for anti-BRCA2 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-BRCA2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-BRCA2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-BRCA2 antibody	BRCA 1 and 2 are breast cancer susceptibility proteins that play a role in DNA damage, repair, cell cycle progression, transcription and apoptosis, etc. The BRCA1 gene is expressed in numerous tissues, including breast and ovary, and encodes a predicted protein of 1863aa. BRCA2 has been shown to be required for localization of Rad51 to sites of DSBs (double stranded breaks) in DNA. Cells lacking BRCA1 and BRCA2 cannot repair DSBs through the Rad51-dependent process.
Other Notes	Small volumes of anti-BRCA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for BRCA2 purchase	MBS6199782 is an antibody targeting BRCA2. Also known as BRCA2 (Breast Cancer Type 2 Susceptibility Protein, Fanconi Anemia Group D1 Protein, FACD, FANCD1) (MaxLight 490). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRCA2. It may not necessarily be applicable to this product.

NCBI GI #	1813836565
NCBI Accession #	NP_000050
GenBank Nucleotide #	NM_000059
NCBI Official Full Name	breast cancer type 2 susceptibility protein
Protein Family	Breast cancer type 2 susceptibility protein
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Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/brca2/6199782