

MRE11 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4568
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human MRE11 (AA: 182-582) expressed in E. Coli.
Mol wt	80.6kDa
Species reactivity	Human,Mouse,Monkey,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ATLD;HNCS1;MRE11A;MRE11B

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a nuclear protein involved in homologous recombination, telomere length maintenance, and DNA double-strand break repair. By itself, the protein has 3' to 5' exonuclease activity and endonuclease activity. The protein forms a complex with the RAD50 homolog; this complex is required for nonhomologous joining of DNA ends and possesses increased single-stranded DNA endonuclease and 3' to 5' exonuclease activities. In conjunction with a DNA ligase, this protein promotes the joining of noncomplementary ends in vitro using short homologies near the ends of the DNA fragments. This gene has a pseudogene on chromosome 3. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

Recommended Dilution

WB: 1:500 - 1:2000

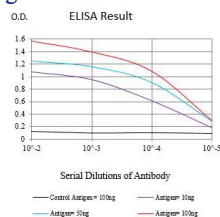
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

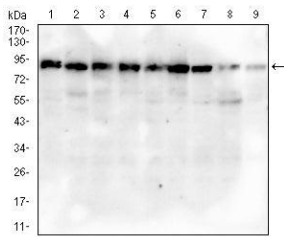
ELISA: 1:10000

Not yet tested in other applications.

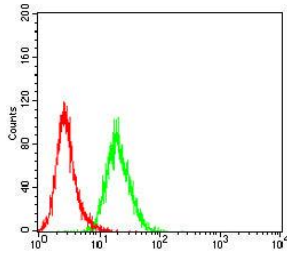
Images



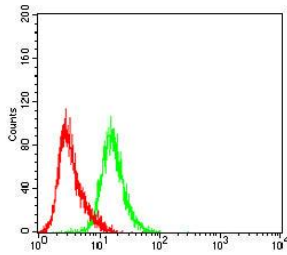
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



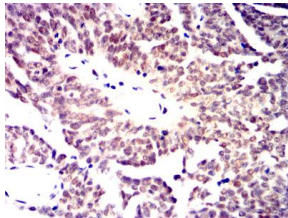
Western blot analysis using MRE11 mouse mAb against HeLa (1), A431 (2), MCF-7 (3), Jurkat (4), HepG2 (5), K562 (6), COS-7 (7), PC-12 (8) and NIH/3T3 (9) cell lysate.



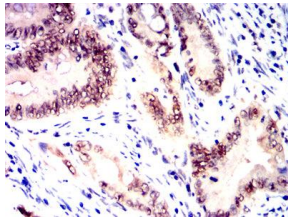
Flow cytometric analysis of HeLa cells using MRE11 mouse mAb (green) and negative control (red).



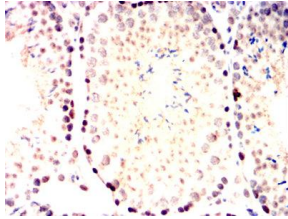
Flow cytometric analysis of K562 cells using MRE11 mouse mAb (green) and negative control (red).



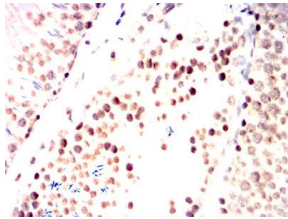
Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using MRE11 mouse mAb with DAB staining.



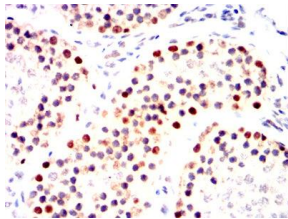
Immunohistochemical analysis of paraffin-embedded rectal cancer tissues using MRE11 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse testis tissues using MRE11 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat testis tissues using MRE11 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit testis tissues using MRE11 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

