

<b>Cat. No:</b>	AB-84200
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 290-485 of human MRE11
<b>Reactivity:</b>	Human, Rat
<b>Applications:</b>	Western Blot: 1:500 - 1:1000 Immunoprecipitation: 1:500 - 1:1000
<b>Molecular Weight:</b>	81KDa
<b>Purification:</b>	Affinity purification
<b>Synonyms:</b>	MRE11;ATLD;HNGS1;MRE11A;MRE11B
<b>Background:</b>	<p>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.</p>
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.

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