



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Product Number	ARP56644_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/mre11-antibody-n-terminal-region-fitc-arp56644-p050-fitc.html">www.avivasysbio.com/mre11-antibody-n-terminal-region-fitc-arp56644-p050-fitc.html</a>
Name	MRE11 Antibody - N-terminal region : FITC (ARP56644_P050-FITC)
Protein Size (# AA)	708 amino acids
Molecular Weight	80kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	4361
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	MRE11 homolog, double strand break repair nuclease
Alias Symbols	ATLD, HNGS1, MRE11A, MRE11B
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">DTFVTLDEILRLAQENEVDFILLGGDLFHENKPSRKTLHTCLELLRKYCM</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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.
Protein Interactions	HUWE1; CIAO1; ATRX; BRCA1; RPA3; RPA2; RPA1; EED; ABCF1; C14orf166; RTCB; RPL26L1; NELFB; IGF2BP3; LRRFIP1; MAP7; EIF2B2; EIF2B3; YBX3; RPL27; RFC4; QARS; NMT1; HNRNPM; ILF2; HNRNPU; HNRNPA2B1; FLII; DHX9; DDX1; LMNA; PAN2; UBC; MCM2; GINS1; MDC1; RNF8; C
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-MRE11 (ARP56644_P050-FITC) antibody</a>
Blocking Peptide	For anti-MRE11 (ARP56644_P050-FITC) antibody is <a href="#">Catalog# AAP56644</a> (Previous Catalog# AAPP39401)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MRE11A
Uniprot ID	<a href="#">P49959</a>
Protein Name	double-strand break repair protein MRE11
Sample Type Confirmation	MRE11A is supported by BioGPS gene expression data to be expressed in 721_B
Protein Accession #	<a href="#">NP_005582</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_005591</a>
Gene Symbol	<a href="#">MRE11</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish

<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Goat: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 100%; Zebrafish: 93%
<b>Image 1</b>	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding arms.

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Optimal conditions of its use should be determined by end users.

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