## Mre11 antibody［12D7］

## Cat．No．GTX70212

| Host | Mouse | Reference（168） |  |
| :--- | :--- | :--- | :--- |
| Clonality | Monoclonal |  | Package |
| Isotype | IgG1 | $100 \mu \mathrm{l}$ |  |
| Application | WB，ICC／IF，IHC－P，IP，ELISA，Functional Assay，PLA |  |  |
| Reactivity | Human |  |  |

## PRODUCT

MRE11 antibody recognizes MRE11 protein，an enzyme with a predicted molecular weight of $\sim 81 \mathrm{kDa}$ ．MRE11 forms the

## Summary

 core of the MRN（MRE11－RAD50－NBS1）complex，one of the first components of the DNA damage response（DDR）to DNA double－strand breaks where it recruits other signaling factors required for repair．MRE11 has both exonuclease and endonuclease activities，and is responsible for the DNA binding of the complex．
## APPLICATION

## Application Note

＊Optimal dilutions／concentrations should be determined by the researcher．

| Suggested dilution |  | Recommended dilution |
| :---: | :---: | :---: |
| WB |  | 1：500－1：3000 |
| ICC／IF |  | 1：100－1：1000 |
| IHC－P |  | Assay dependent |
| IP |  | Assay dependent |
| ELISA |  | Assay dependent |
| Functional Assay |  | Assay dependent |
| PLA |  | Assay dependent |
| Not tested in other applications． |  |  |
| Calculated MW | 81 kDa．（ Note） |  |
| Product Note | We do not recommend use of this product for Mouse，Rat samples． |  |
| PROPERTIES |  |  |
| Form | Liquid |  |
| Buffer | PBS |  |
| Preservative | No Preservative |  |
| Storage | Store as concentrated solution．Centrifuge briefly prior to opening vial．For short－term storage（ $1-2$ weeks），store at $4^{\circ} \mathrm{C}$ ．For long－term storage，aliquot and store at $-20^{\circ} \mathrm{C}$ or below．Avoid multiple freeze－thaw cycles． |  |

Concentration
Immunogen
Purification
Conjugation

## Note

$0.45 \mathrm{mg} / \mathrm{ml}$ (Please refer to the vial label for the specific concentration.)
Amino acids 182-582 of Mre11 expressed in E. coli.
Protein G purified
Unconjugated
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



## GTX70212 WB Image

Non-transfected ( - ) and transfected (+) HeLa whole cell extracts ( $30 \mu \mathrm{~g}$ ) were separated by $7.5 \%$ SDS-PAGE, and the membrane was blotted with Mre11 antibody [12D7] (GTX70212) diluted at 1:500. The HRPconjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


## GTX70212 WB Image

Various whole cell extracts ( $30 \mu \mathrm{~g}$ ) were separated by $7.5 \%$ SDS-PAGE, and the membranes were blotted with Mre11 antibody [12D7] (GTX70212) diluted at 1:1000 and competitor's antibody diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.
*The competitor is not affiliated with GeneTex and does not endorse this product.

## GTX70212 WB Image

Various whole cell extracts ( $30 \mu \mathrm{~g}$ ) were separated by $7.5 \%$ SDS-PAGE, and the membranes were blotted with Mre11 antibody [12D7] (GTX70212) diluted at 1:1000 and competitor's antibody diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.
*The competitor is not affiliated with GeneTex and does not endorse this product.

