

Cat. Number : MDAAB00003

## Malondialdehyde Monoclonal Antibody

### DATA SHEET

**Host:** Mouse  
**Target Protein:** Malondialdehyde (MDA) 11E3  
**Immunogen Range:** 251-350/527  
**Clonality:** 11E3 Monoclonal  
**Isotype:** IgG1  
**Entrez Gene:** -  
**Swiss Prot:** -  
**Source:** KLH conjugated synthetic peptide derived from MALondialdehyde  
**Purification:** Purified by Protein A.  
**Storage Buffer:** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  
**Storage:** Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  
**Background:** Malondialdehyde (MDA) is the biomarker in greatest diagnostic use, due to its molecular stability. This three-carbon, low-molecular weight aldehyde has a strong affinity for amino acids, which results in adduct formation to both free amino acids and proteins. Increased MDA levels have been found at correlating levels in breast cancer, and lung cancer patients. Other diseased states with elevated MDA levels include diabetes and Alzheimer's disease. Multiple laboratory techniques exist for quantification of MDA levels, including the thiobarbituric acid reactive substances (TBARS) assay. In addition to use as a biomarker, MDA has been shown to have mutagenic effects on tissues themselves as adduct formation can result in DNA crosslinking.

**Size:**100ul

**Concentration:**1ug/ul

**Applications:**WB(1:300-5000)  
 ELISA(1:500-1000)  
 IHC-F(1:100-500)  
 IF(IHC-P)(1:50-200)  
 IF(ICC)(1:50-200)

**Predicted Molecular Weight:**60 kDa

**Cross Reactive Species:**  
 Chemical

**Predicted Cross Reactive Species:**

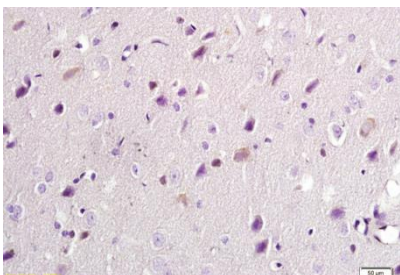
Human  
 Mouse  
 Rat  
 Horse

For research use only. Not intended for diagnostic or therapeutic use

### REFERENCE OF PUBLICATION

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### IMAGES



Formalin-fixed and paraffin embedded rat colon labeled with Anti malondialdehyde Polyclonal Antibody, Unconjugated followed by conjugation to the secondary antibody and DAB staining