abcam

Product datasheet

Lipid Peroxidation (MDA) Assay Kit (Colorimetric) ab233471

16 References　画像数 2

製品の概要

製品名	Lipid Peroxidation (MDA) Assay Kit (Colorimetric)
検出方法	Colorimetric
サンプルの種類	Adherent cells, Suspension cells, Tissue Lysate
製品の概要	Lipid Peroxidation (MDA) Assay Kit (Colorimetric) ab233471 enables researchers to detect MDA without the heating steps required by the TBARS assay conventionally used for MDA detection. In this MDA assay, the MDA Color Reagent reacts with MDA to generate a blue color product which is measured at 695 nm with absorbance microplate readers. The assay is very fast and specific for MDA with little interference from other aldehydes. Alternatively, see our popular **TBARS assay kit for MDA measurement ab118970**. MDA assay protocol summary for ab233471: - add samples and standards to wells - add MDA color reagent and incubate for 10-30 min at room temp - add reaction solution and incubate for 30-60 min at room temp - analyze with microplate reader
特記事項	Lipid peroxidation is characterized by the oxidative degradation of unsaturated fatty acids, phospholipids, glycolipids, cholesterol esters and cholesterol. Malondialdehyde (MDA) is one of the most commonly used biomarkers for lipid peroxidation. Running an MDA assay has historically relied on a reaction with thiobarbituric acid (the TBARS assay) to generate a product that can be measured colorimetrically at 532 nm or fluorimetrically at Ex/Em = 530/550 nm. However, the TBARS assay has quite a few limitations: - the reaction is not specific to MDA, - the TBA-MDA reaction needs be run under acidic conditions, - the TBARS assay needs be run under high temperature, commonly at 90-100 ºC.
アプリケーション	**適用あり:** Functional Studies
試験プラットフォーム	Microplate reader

製品の特性

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保存方法 Store at -20°C. Please refer to protocols.

内容	200 tests
Dilution Buffer	1 x 10ml
MDA Color Reagent	1 vial
MDA Standard	1 vial
Reaction Solution	1 x 10ml

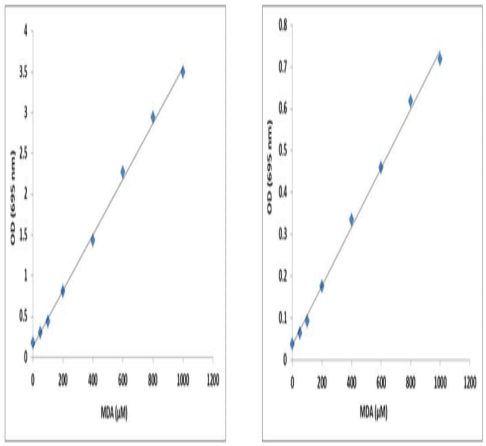
アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab233471の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

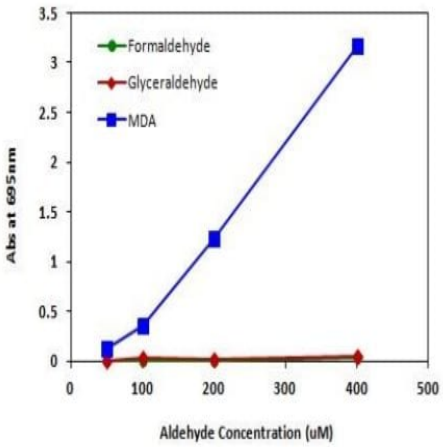
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



Lipid Peroxidation (MDA) Assay Kit (Colorimetric) Standard Curve

MDA dose response was measured with AB233471 on a 96-well clear bottom microplate using a SpectraMax microplate reader (Molecular Devices). (Pathcheck on (Left image); Pathcheck off (Right image))



Signal Comparison of MDA, Formaldehyde, and Glyceraldehyde

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