Product Datasheet

TBARS/Thiobarbituric Acid Reactive Substances Assay Kit (Colorimetric/Fluorometric) KA1381

Unit Size: 1 Kit

Store at 4°C.

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KA1381

TBARS/Thiobarbituric Acid Reactive Substances Assay Kit (Colorimetric/Fluorometric)

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Store at 4°C.
Buffer	
Product Description	
Description	Quality control test: Standard curve TBARS Assay Kit provides a simple, reproducible, and standardized tool for assaying lipid peroxidation in plasma, serum, urine, tissue homogenates, and cell lysates.
Species	Human, Mouse
Specificity/Sensitivity	If lipoprotein fractions are first acid precipitated from the sample, interfering soluble TBARS are minimized, and the test becomes quite specific for lipid peroxidation. Lipids with greater unsaturation will yield higher TBARS values. It is recommended that if high TBARS values are obtained, a more specific assay such as HPLC should be performed.
Kit Components	Thiobarbituric Acid, TBA Acetic Acid, TBA Sodium Hydroxide (10X), TBA Malondialdehyde Standard, TBA SDS Solution, 96-Well Solid Plate (Colorimetric Assay), 96-Well Solid Plate (black), 96-Well Cover Sheet
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Standard Curve Range	0 to 50 uM (Colorimetric), 0 to 5uM (Fluorescent)
Assay Type	Colorimetric/Fluorometric
Suitable Sample Type	Plasma, Serum, Urine, Tissue Homogenates, Cell Lysates and Food Samples
Sample Volume	100 ul
Product Application Details	

Applications	Functional
Recommended Dilutions	Functional

Images

TBARS Other Kit [KA1381] - The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.





Publications

Hector S, Pedro M, Diego H et al. A Mixture of Pure, Isolated Polyphenols Worsens the Insulin Resistance and Induces Kidney and Liver Fibrosis Markers in Diet-Induced Obese Mice. Antioxidants (Basel). 2022-01-05 [PMID: 35052623]

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Leili R, Lida M, Tahereh L et al. Free androgen index (FAI)'s relations with oxidative stress and insulin resistance in polycystic ovary syndrome. Sci Rep. 2023-03-29 [PMID: 36991023]

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Palmieri D, Cafueri G, Mongelli F et al. Telomere shortening and increased oxidative stress are restricted to venous tissue in patients with varicose veins: A merely local disease? Vasc Med. 2014-02-20 [PMID: 24557807]

Cheraghi E, Soleimani Mehranjani M, Shariatzadeh MA et al. Co-Administration of Metformin and N-Acetyl Cysteine Fails to Improve Clinical Manifestations in PCOS Individual Undergoing ICSI. Int J Fertil Steril 2014-07-08 [PMID: 25083175]

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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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