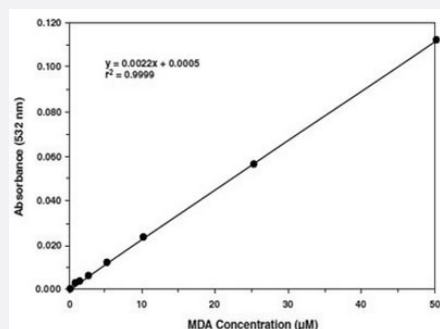


TBARS Assay Kit

Catalog # KA1381 Size 1 Kit

Applications



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.

Specification

Product Description	TBARS Assay Kit provides a simple, reproducible, and standardized tool for assaying lipid peroxidation in plasma, serum, urine, tissue homogenates, and cell lysates.
Suitable Sample	Cell lysates, Plasma, Serum, Tissue homogenates, Urine
Calibration Range	Colorimetric: 0 to 50 µM Fluorometric: 0 to 5 µM
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve 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.
Storage Instruction	Store the kit at 4°C.

Applications

- Functional Study

Publication Reference

- [The Antiobesity Effects of Rosehip \(Rosa canina\) Flesh by Antagonizing the PPAR Gamma Activity in High-Fat Diet-Fed Mice.](#)

Hèctor Sanz-Lamora, Mariano Nicola-Llorente, Daniel Torres-Oteros, Albert Pérez-Martí, Inass Aghziel, Julián Lozano-Castellón, Anna Vallverdú-Queralt, Silvia Canudas, Pedro F Marrero, Diego Haro, Joana Relat.

Molecular Nutrition & Food Research 2024 Mar; 68(5):e2300539.

Application: Quant, Mouse, Liver

- [Association of insulin resistance with polycystic ovary syndrome phenotypes and patients' characteristics a cross-sectional study in Iran.](#)

Leili Rahmatnezhad, Lida Moghaddam-Banaem, Tahereh Behroozi-Lak, Afshin Shiva, Javad Rasouli.

Reproductive Biology and Endocrinology 2023 Nov; 21(1):113.

Application: Quant, Human, Human follicular fluid

- [Syringic acid suppresses ferroptosis of skeletal muscle cells to alleviate lower limb ischemia/reperfusion injury in mice via the HMGB1 pathway.](#)

Fengdan Wang, Yanqing Qi, Yakun Gao, Zhifang Wang, Xiaowei Shen, Hongyu Wu.

Chemical Biology & Drug Design 2023 Dec; 102(6):1387.

Application: Quant, Mouse, C2C12 cells

- [Free androgen index \(FAI\)'s relations with oxidative stress and insulin resistance in polycystic ovary syndrome.](#)

Leili Rahmatnezhad, Lida Moghaddam-Banaem, Tahereh Behrouzi Lak, Afshin Shiva, Javad Rasouli.

Scientific Reports 2023 Mar; 13(1):5118.

Application: Func, Quant, Human, Human blood

- [A Mixture of Pure, Isolated Polyphenols Worsens the Insulin Resistance and Induces Kidney and Liver Fibrosis Markers in Diet-Induced Obese Mice.](#)

Hèctor Sanz-Lamora, Pedro F Marrero, Diego Haro, Joana Relat.

Antioxidants 2022 Jan; 11(1):120.

Application: Quant, Mouse, Kidney, Liver

- [Pervasive Genomic Damage in Experimental Intracerebral Hemorrhage: Therapeutic Potential of a Mechanistic Based Carbon Nanoparticle.](#)

Dharmalingam P, Talakatta G, Mitra J, Wang H, Derry PJ, Nilewski LG, McHugh EA, Fabian RH, Mendoza K, Vasquez V, Hegde PM, Kakadiaris E, Roy T, Boldogh I, Hegde VL, Mitra S, Tour JM, Kent TA, Hegde ML.

ACS Nano 2020 Mar; 14(3):2827.

Application: Func, Human, Mouse, Human iPS cells, Mouse brain tissues

- [Dopamine Released from TiO₂ Semicrystalline Lattice Implants Attenuates Motor Symptoms in Rats Treated with 6-Hydroxydopamine.](#)

Margarita Gómez-Chavarrín, Gina Prado-Prone, Patricia Padilla, Jesús Ramírez Santos, Gabriel Gutiérrez-Ospina, Jorge A García-Macedo Margarita Gómez-Chavarrín, Gina Prado-Prone, Patricia Padilla, Jesús Ramírez Santos, Gabriel Gutiérrez-Ospina, Jorge A García-Macedo.

ACS Omega 2019 May; 4(5):7953.

Application: Quant, Rat, Rat brain, Rat caudate nucleus homogenate samples

- [N-Acetylcysteine improves oocyte and embryo quality in polycystic ovary syndrome patients undergoing intracytoplasmic sperm injection: an alternative to metformin.](#)

Cheraghi E, Mehranjani MS, Shariatzadeh MA, Esfahani MH, Ebrahimi Z.

Reproduction, Fertility, and Development 2016 Apr; 28(6):723.

Application: Func, Human, Follicular fluid

- [Co-Administration of Metformin and N-Acetyl Cysteine Fails to Improve Clinical Manifestations in PCOS Individual Undergoing ICSI.](#)

Cheraghi E, Soleimani Mehranjani M, Shariatzadeh MA, Nasr Esfahani MH, Ebrahimi Z.

International Journal of Fertility & Sterility 2014 Jul; 8(2):119.

Application: Func, Human, Serum

- [Telomere shortening and increased oxidative stress are restricted to venous tissue in patients with varicose veins: A merely local disease?](#)

Palmieri D, Cafueri G, Mongelli F, Pezzolo A, Pistoia V, Palombo D.

Vascular Medicine 2014 Apr; 19(2):125.

Application: Func, Human, Plasma, Vascular tissue

- [Downregulation of nuclear-encoded genes of oxidative metabolism in dialyzed chronic kidney disease patients.](#)

Zaza G, Granata S, Masola V, Rugiu C, Fantin F, Gesualdo L, Schena FP, Lupo A.

PLoS One 2013 Oct; 8(10):e77847.

Application: Func, Human, Plasma

- [Chemical analysis of C-reactive protein synthesized by human aortic endothelial cells under oxidative stress.](#)

Tsai MH, Chang CL, Yu YS, Lin TY, Chong CP, Lin YS, Su MY, Yang JY, Shu TY, Lu X, Chen CH, Liu MY.

Analytical Chemistry 2012 Nov; 84(21):9646.

Application: Func, Human, Supernatant from HAECs culture medium