General ADMA/Asymmetric dimethylarginine ELISA Kit

E45K00757

Catalog Number:E45K00757

Species Reactivity: General

Storage: Store at +4°C. Please refer to protocols.

Cite ID#:EN5521207

Type: General ELISA Kits

Description: General ADMA/Asymmetric dimethylarginine ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of ADMA in biological samples. Our rigorously validated, ready-to-go General ADMA/Asymmetric dimethylarginine ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect ADMA in your samples. Appropriate sample types may include Cell Culture Supernates, Serum, Platelet-poor EDTA Plasma, Platelet-poor Heparin Plasma, Urine. Precision Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested several times on one plate to assess intra-assay precision. Inter-Assay Precision (Precision between assays): Three samples of known concentration were tested in several separate assays to assess inter-assay precision. Assays were performed by at least two technicians using two lots of components.

Assay type: Competitive

Detection principle: Spectrophotometrical

Sample type: This immunoassay kit allows for the in vitro quantitative determination in Serum, plasma, tissue homogenates, cell culture supernates and other biological fluids.

Sensitivity:5.4 ng/mL

Assay range:15.6-1000 ng/mL

Kit components: Assay Plate, Standard, Sample Diluent, Assay Diluent A&B, Detection Reagent A&B, Wash Buffer, Substrate, Stop Solution.

Other reagents required: Deionized or distilled water

Gene Name:ADMA

Function: Asymmetric dimethylarginine (ADMA) is a naturally occurring chemical found in blood plasma. It is a metabolic by-product of continual protein modification processes in the cytoplasm of all human cells. It is closely related to L-arginine, a conditionally-essential amino acid. ADMA interferes with L-arginine in the production of nitric oxide, a key

chemical involved in normal endothelial function and, by extension, cardiovascular health.

Form:ELISA Kits