Mouse Ace/ Angiotensin-converting enzyme ELISA Kit

E45K00387

Catalog Number:E45K00387

Species Reactivity: Mouse

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

Cite ID#:EN5520838

Type: Mouse ELISA Kits (Murine)

Description: Mouse Ace/ Angiotensin-converting enzyme ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of Ace in biological samples. Our rigorously validated, ready-to-go Mouse Ace/ Angiotensin-converting enzyme ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect Ace 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: Sandwich

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:39 pg/mL

Assay range:78-5000 pg/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: Ace

Swiss-Prot No.:P47820

Function: Converts angiotensin I to angiotensin II by release of the terminal His-Leu, this results in an increase of the

vasoconstrictor activity of angiotensin. Also able to inactivate bradykinin, a potent vasodilator. Has also a glycosidase activity which releases GPI-anchored proteins from the membrane by cleaving the mannose linkage in the GPI moiety. This GPIase activity seems to be crucial for the egg-binding ability of the sperm.

Form:ELISA Kits

Synonyms:ACE,Dipeptidyl carboxypeptidase I,Kininase II,CD143,Dcp1