Human CANX/Calnexin ELISA Kit

E45K00562

Catalog Number:E45K00562

Species Reactivity: Human

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

Cite ID#:EN5521013

Type: Human ELISA Kits

Description: Human CANX/Calnexin ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of CANX in biological samples. Our rigorously validated, ready-to-go Human CANX/Calnexin ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect CANX 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:0.17 ng/mL

Assay range:0.312-20 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:CANX

Swiss-Prot No.:P27824

Function: Calcium-binding protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may

act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins. Associated with partial T-cell antigen receptor complexes that escape the ER of immature thymocytes, it may function as a signaling complex regulating thymocyte maturation. Additionally it may play a role in receptor-mediated endocytosis at the synapse.

Form:ELISA Kits

Synonyms:IP90,Major histocompatibility complex class I antigen-binding protein p88,p90