Human B2M/Beta-2-microglobulin ELISA Kit

E45K00008

Catalog Number:E45K00008

Species Reactivity: Human

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

Cite ID#:EN5520459

Type: Human ELISA Kits

Description: Human B2M/Beta-2-microglobulin ELISA Kit is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit designed for the quantitative measurement of B2M in biological samples. Our rigorously validated, ready-to-go Human B2M/Beta-2-microglobulin ELISA Kit use a simple protocol that easily integrates into your current processes, allowing you to rapidly and accurately detect B2M 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:0.72 ng/mL

Assay range:3.12-200 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:B2M

Swiss-Prot No.:P61769

Function: Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide

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antigens to the immune system. Exogenously applied M.tuberculosis EsxA or EsxA-EsxB (or EsxA expressed in host) binds B2M and decreases its export to the cell surface (total protein levels do not change), probably leading to defects in class I antigen presentation (PubMed:25356553).

Form:ELISA Kits

Synonyms:CDABP0092,HDCMA22P