

MHC class I polypeptide-related sequence A/MIC-A ELISA Kit (2 plates)

Catalogue No.: BEK-2125-2P

Description: The human MHC Class I polypeptide-related sequence A (MIC-A) Kit is a sandwich ELISA. The capture antibody is a polyclonal human MIC-A antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known MIC-A concentration are added to these wells and allowed to complex with the bound MIC-A antibody. A biotinylated human MICA polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of MIC-A present in the samples. The purpose of this kit is the in-vitro quantitative detection of human MIC-A in cell culture supernatants, cell lysates, and serum, only when used as directed. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

Batch No.: See product labels

Antigen: Antigen and Standard is recombinant human MIC-A amino acids 24-307 produced in and purified from a mammalian cell expression system.

Other Names: MIC-A; MICA;

Accession: Q29983 MICA_HUMAN;

Specificity: Human MHC Class I polypeptide-related sequence A

Storage: Store at 2-8C

Kit components: The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

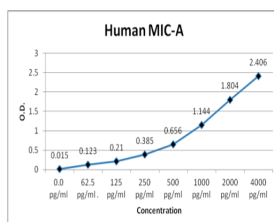
Range: 62.5 pg/mL - 4,000 pg/mL

Sensitivity: < 10 pg/ml

Kit protocol: Please refer to our online product listing for current protocol/MSDS versions.

IX: Typical Standard Curve (for reference only, not to be used for actual data)

| Concentration pg/ml | 0.0 pg/ml | 62.5 pg/ml | 125 pg/ml | 250 pg/ml | 500 pg/ml | 1000 pg/ml | 2000 pg/ml | 4000 pg/ml |
|------------------------|-----------|------------|-----------|-----------|-----------|------------|------------|------------|
| O.D. | 0.015 | 0.123 | 0.210 | 0.385 | 0.656 | 1.144 | 1.804 | 2.406 |



This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY