

ARG83030 Human MICB ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG83030 Human MICB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MICB in serum, plasma (heparin), ascites, urine and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | Not cross-reacts with: Human MICA/Fc Chimer, NKG2D/Fc Chimer. |
| Target Name | MICB |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 78 pg/ml |
| Sample Type | Serum, plasma (heparin), ascites, urine and cell culture supernatants. |
| Standard Range | 156.3 - 10000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: less than 10% Inter-Assay CV: less than 10% |
| Alternate Names | MICB, MHC Class I Polypeptide-Related Sequence B, PERB11.2, MHC Class I-Like Molecule PERB11.2-IMX, MHC Class I Antigen-Related Protein B, MHC Class I Chain-Related Protein B, Stress Inducible Class I Homolog, MHC Class I Mic-B Antigen, MICB |

Application Instructions

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| Assay Time | ~ 4 hours |
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Properties

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| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

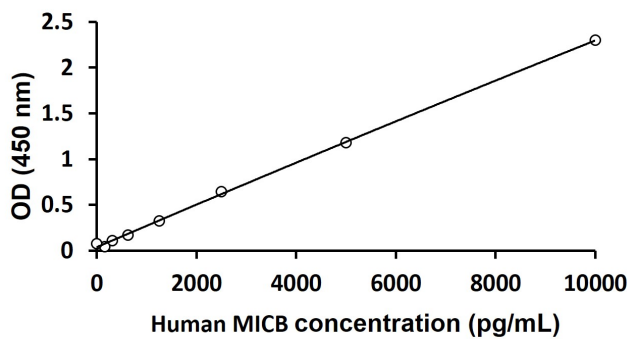
Bioinformation

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| Gene Symbol | MICB |
| Gene Full Name | MHC Class I Polypeptide-Related Sequence B |
| Background | This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells, |

and gammadelta T cells which express the receptor. This protein is stress-induced and is similar to MHC class I molecules; however, it does not associate with beta-2-microglobulin or bind peptides. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

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| Function | Seems to have no role in antigen presentation. Acts as a stress-induced self-antigen that is recognized by gamma delta T cells. Ligand for the KLRK1/NKG2D receptor. Binding to KLRK1 leads to cell lysis. [UniProt] |
| Highlight | Related products: MICB antibodies ; MICB ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | Disulfide bond, Glycoprotein. [Uniprot] |
| Cellular Localization | Cell membrane. [UniProt] |

Images



ARG83030 Human MICB ELISA Kit standard curve image

ARG83030 Human MICB ELISA Kit results of standard run with optical density reading at 450 nm