

## ARG83030 Human MICB ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

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

Assay Time	~ 4 hours
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### Properties

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

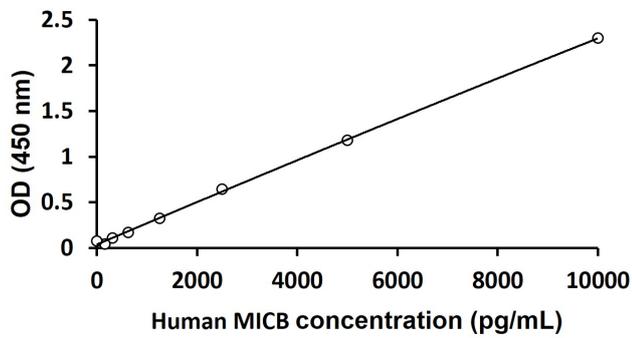
Gene Symbol	MICB
Gene Full Name	MHC Class I Polypeptide-Related Sequence B
Background	This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells,

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]

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: <a href="#">MICB antibodies; MICB ELISA Kits;</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Disulfide bond, Glycoprotein. [UniProt]
Cellular Localization	Cell membrane. [UniProt]

## Images

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ARG83030 Human MICB ELISA Kit standard curve image

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