

ARG81789 Human MICB ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81789-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81789-002	Standard	2 X 10 ng/vial	4°C
ARG81789-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81789-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81789-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81789-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81789-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81789-008	25X Wash buffer	20 ml	4°C
ARG81789-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81789-010	STOP solution	10 ml (Ready to use)	4°C
ARG81789-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81789 Human MICB ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MICB in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	MICB
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 6.7%
Alternate Names	MHC class I polypeptide-related sequence B; MIC-B; PERB11.2

Application Instructions

Assay Time	~ 5 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: MICB antibodies ; MICB ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Proteolytically cleaved and released from the cell surface of tumor cells. [UniProt]

Images

