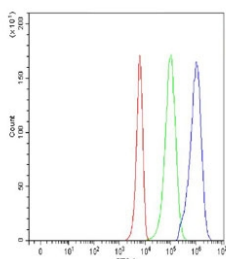


## MICB Antibody / MHC class I polypeptide-related sequence B (R32254)

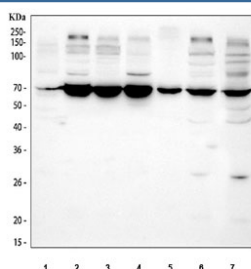
Catalog No.	Formulation	Size
R32254	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q29980
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This MICB antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human K562 cells with MICB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MICB antibody.



Western blot testing of 1) human Jurkat, 2) human K562, 3) human HEL, 4) human A431, 5) human 293T, 6) human SiHa and 7) mouse HEPA1/6 cell lysate with MICB antibody. Predicted molecular weight ~43 kDa but may be observed at higher molecular weights due to glycosylation.

## Description

MHC class I polypeptide-related sequence B is a protein that in humans is encoded by the MICB gene. 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 alpha-beta T cells, and gamma-delta 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.

## Application Notes

Optimal dilution of the MICB antibody should be determined by the researcher.

## Immunogen

Amino acids AEPHSLRYNLMVLSQDESVQSGFLAE of human MICB were used as the immunogen for the MICB antibody.

## Storage

After reconstitution, the MICB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.