

MICB Blocking Peptide (N-Term)
Synthetic peptide
Catalog # BP21778a**Specification**

MICB Blocking Peptide (N-Term) - Product InformationPrimary Accession [Q29980](#)**MICB Blocking Peptide (N-Term) - Additional Information****Gene ID** 4277**Other Names**

MHC class I polypeptide-related sequence B, MIC-B, MICB {ECO:0000312|EMBL:CAA628231}

Target/Specificity

The synthetic peptide sequence is selected from aa 85-98 of HUMAN MICB

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MICB Blocking Peptide (N-Term) - Protein Information**Name** MICB {ECO:0000312|EMBL:CAA62823.1}**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.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q29983}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q29983} Note=Binding to human cytomegalovirus glycoprotein UL16 causes sequestration in the endoplasmic reticulum {ECO:0000250|UniProtKB:Q29983, ECO:0000269|PubMed:12782710}

Tissue Location

Widely expressed with the exception of the central nervous system where it is absent. Expressed in many, but not all, epithelial tumors of lung, breast, kidney, ovary, prostate and colon In hepatocellular carcinomas, expressed in tumor cells but not in surrounding non-cancerous tissue.

MICB Blocking Peptide (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

MICB Blocking Peptide (N-Term) - Images

MICB Blocking Peptide (N-Term) - Background

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MICB Blocking Peptide (N-Term) - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hirakawa M.,et al.Submitted (DEC-2004) to the EMBL/GenBank/DDBJ databases.