



MICB Monoclonal Antibody

Catalog No	YP-mAb-10863
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	MICB PERB11.2
Protein Name	MICB
Immunogen	Synthesized peptide derived from human MICB
Specificity	This antibody detects endogenous levels of human MICB
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MHC class I polypeptide-related sequence B (MIC-B)
Observed Band	42kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Binding to human cytomegalovirus glycoprotein UL16 causes sequestration in the endoplasmic reticulum. .
Tissue Specificity	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.
Function	disease:Genetic variation in MICB is associated with cytomegalovirus and herpes simplex virus I seropositivity and this may be associated with schizophrenia risk.,disease:The MICA*004 allele is associated with susceptibility to rheumatoid arthritis [MIM:180300]. Rheumatoid arthritis is a complex, multifactorial disorder. It is one of the most common autoimmune diseases and it is characterized by inflammation of synovial tissue and joint destruction.,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.,induction:By heat shock, oxidative stress, retinoic acid, IFN-alpha and the DNA methyltransferase inhibitor 5-aza-2'-deoxycytidine. Induction by IFN-alpha is impaired in patients with chronic hepatitis C virus infection. Down-regulate



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],

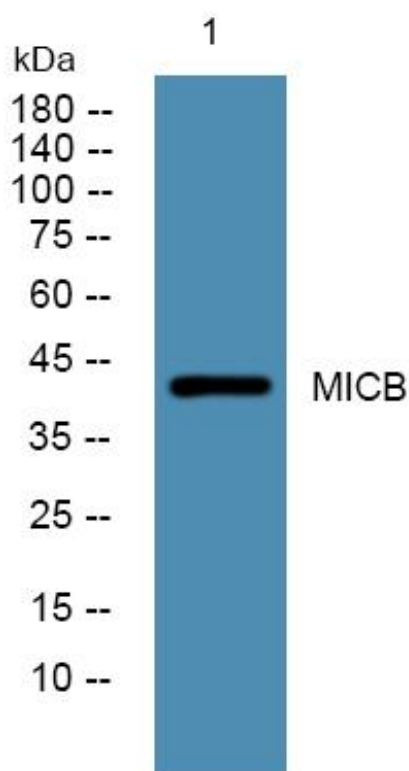
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MICB Monoclonal Antibody