



Mouse Anti-Human MICB monoclonal antibody, clone NN15 (CABT-ZB575)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human MICB
Target	MICB
Immunogen	Recombinant Human MICB Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN15
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect MICB in antibody pair set. [ABPR-ZB152]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human MICB. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction MHC class I polypeptide-related sequence B, also known as MICB, is a heavily glycosylated protein serving as a ligand for the type II receptor NKG2D. MICB shares 85% amino acid identity with MICA, a closely related protein, both of which contain three extracellular immunoglobulin-like domains, but without the capacity to bind peptide or interact with beta-2-microglobulin. Acting as a stress-induced self-antigen, binding of MICB to the NKG2D receptor activates the cytolytic response of natural killer (NK) cells, CD8+αβ T cells, and γδ T cells on which the receptor is expressed. MICA/B is minimally expressed on normal cells, but are frequently expressed on epithelial tumors and can be induced by bacterial and viral infections. MICA/B recognition thus is involved in tumor surveillance, viral infections, and autoimmune diseases.

Keywords MICB; MHC class I polypeptide-related sequence B; PERB11.2; MIC-B

GENE INFORMATION

Synonyms MICB; MHC class I polypeptide-related sequence B; PERB11.2; MIC-B; MHC class I mic-B antigen; stress inducible class I homolog; MHC class I chain-related protein B; MHC class I-like molecule PERB11.2-IMX

Entrez Gene ID [4277](#)

UniProt ID [Q29980](#)