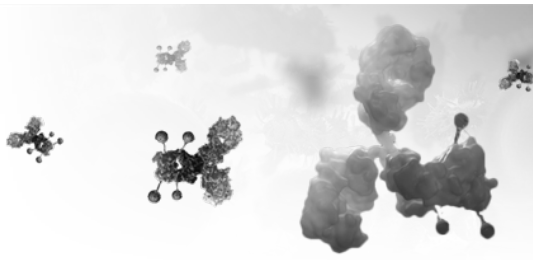

Anti-MICB monoclonal antibody, clone 347622 (DCABY-3990)

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

PRODUCT INFORMATION

Antigen Description	MHC class I chain-related genes MICA and MICB are transmembrane glycoproteins that function as ligands for human NKG2D. The two proteins are highly related, sharing 85% amino acid identity, but are also polymorphic. Recognition of MICA or MICB by NKG2D results in the activation of NK cell cytolytic activity and/or cytokine production. MICA/B are minimally expressed on normal cells, but are frequently expressed on or shed from epithelial tumors and can be induced by bacterial and viral infections. MICA and MICB recognition is involved in tumor surveillance, viral infections, and autoimmune diseases.
Specificity	Detects human MICB in direct ELISAs and Western blots. Does not cross-react with recombinant human MICA.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MICB. Ala23-Gly298 Accession Number CAI18747
Isotype	IgG2B
Source/Host	Mouse
Species Reactivity	Human
Clone	347622
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, Flow Cytometry, ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg

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Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	MICB MHC class I polypeptide-related sequence B [Homo sapiens (human)]
Official Symbol	MICB
Synonyms	MICB; MHC class I polypeptide-related sequence B; PERB11.2; 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
Protein Refseq	NP_001276089
UniProt ID	B4DUT9
Chromosome Location	6p21.3
Pathway	Adaptive Immune System; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell; Natural killer cell mediated cytotoxicity;
Function	natural killer cell lectin-like receptor binding;

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