OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM33130PU-N

MICA Mouse Monoclonal Antibody [Clone ID: B-Z26]

Product data:

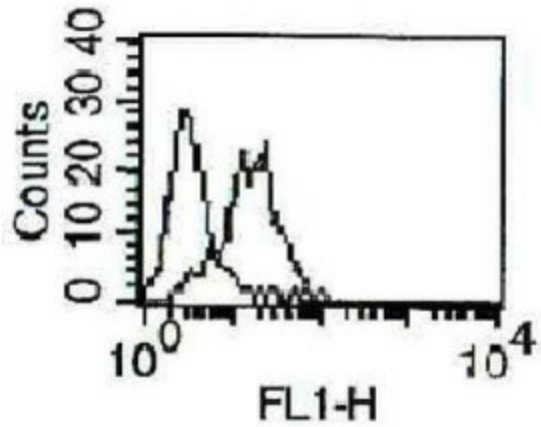
Product Type:	Primary Antibodies
Clone Name:	B-Z26
Applications:	ELISA, FC
Recommended Dilution:	**ELISA.** **Flow Cytometry:** Use 10 µl to label 10^6 cells or 100 µl of whole blood.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Human MICA
Specificity:	This antibody recognizes both natural and recombinant MICA.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. **DO NOT FREEZE!**
Stability:	Shelf life: one year from despatch.
Gene Name:	MHC class I polypeptide-related sequence A
Database Link:	Entrez Gene 100507436 Human Q29983

View online »

Background: The MHC class I chain-related (MIC) proteins are related to the Major histocompatibility complex (MHC) class I proteins which are ubiquitously expressed and mediate the recognition of intracellular antigens by cytotoxic T cells. The MHC class I chain-related (MIC) proteins are recognized by NKG2D, a receptor on NK and T cells, and promote anti-tumor activity. MICA, a member of the MIC family, is widely expressed on many tumors, and it is the MICA/NKG2D interaction that is thought to stimulate the anti-tumor reactivity by T lymphocytes. MICA is present in virtually every tissue except the nervous system, suggesting that MIC protein expression may only be one component of the anti-tumor activity of the immune system. MICA encodes the higly polymorphic MHC (HLA) class I chain-related gene A. The protein product is expressed on the cell surface, although unlike canonical class I molecules does not seem to associate with beta-2-microglobulin. It is thought that MICA functions as a stress-induced antigen that is broadly recognized by intestinal epithelial gamma delta T cells.

Synonyms: MHC class I polypeptide-related sequence A, MIC-A, PERB11.1

Product images:



A typical staining pattern with the B-Z26 monoclonal antibody on U266 cell line