Cat. No. DMC100608



PRODUCT INFORMATION

Clone ID 7F12 **MICA Target**

MIC-A; PERB11.1 **Synonyms**

Host Species Rabbit

Description Anti-MICA antibody(7F12), IgG1 Chimeric mAb

Delivery In Stock **Uniprot ID** 029983

IgG type Rabbit/Human Fc chimeric IgG1

Clonality Monoclonal Reactivity Human

Applications WB; Flow Cyt

Recommended

Storage & Shipping

Background

WB 1:1000; Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity Purification

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.

This gene encodes the highly polymorphic major histocompatability complex class I chain-related protein A. The protein product is expressed on the cell surface, although unlike canonical class I molecules it does not seem to associate with beta-2-microglobulin. It is a ligand for the NKG2-D

type II integral membrane protein receptor. The protein functions as a stress-induced antigen that is broadly recognized by intestinal epithelial

gamma delta T cells. Variations in this gene have been associated with susceptibility to psoriasis 1 and psoriatic arthritis, and the shedding of MICA-related antibodies and ligands is involved in the progression from monoclonal gammopathy of undetermined significance to multiple myeloma. Alternative splicing of this gene results in multiple

> Email: info@dimabio.com Website: www.dimabio.com

transcript variants. [provided by RefSeq, Jan 2014]

Usage Research use only Conjugate Unconjugated





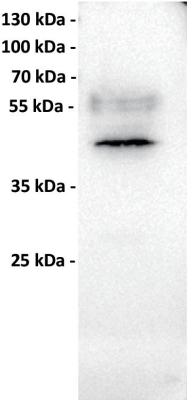


Figure 1.Anti-MICA antibody (SKU# DMC100608) at 1/1000 dilution

Lane: HeLa (human cervical adenocarcinoma epithelial cell), whole cell lysate

Secondary: Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

band size: 43 kDa

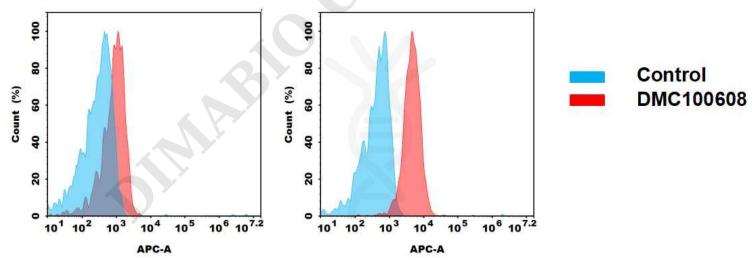
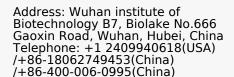


Figure 2. Flow cytometry analysis of antigen binding of anti-human MICA mAb(DMC100608).

(A) DMC100608 does bind to PC3 cells that weakly express MICA (B) A clear peak shift of DMC100608 was seen compared to the control when incubated with MICA-expressing Hela cells, indicating strong binding of DMC100608 to MICA. Antibodies were incubated at 10 ug/mL.



Email: info@dimabio.com Website: www.dimabio.com

