

**MICA (DM157) RABBIT MAB****Cat.#:** 28501**Product Name:** Anti-MICA(DM157) Rabbit Monoclonal Antibody**Synonyms:** MIC-A; PERB11.1**Description:** Anti-MICA antibody(DM157) Rabbit Monoclonal Antibody

**Background:** This gene encodes the highly polymorphic major histocompatibility 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 I 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 transcript variants. [provided by RefSeq; Jan 2014]

**Applications:** ELISA; Flow Cyt**Recommended Dilutions:** ELISA 1:5000-10000; Flow Cyt 1:100**Host Species:** Rabbit**Isotype:** Rabbit IgG**Purification:** Purified from cell culture supernatant by affinity chromatography**Species Reactivity:** Human MICA**Constituents:** Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** 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).

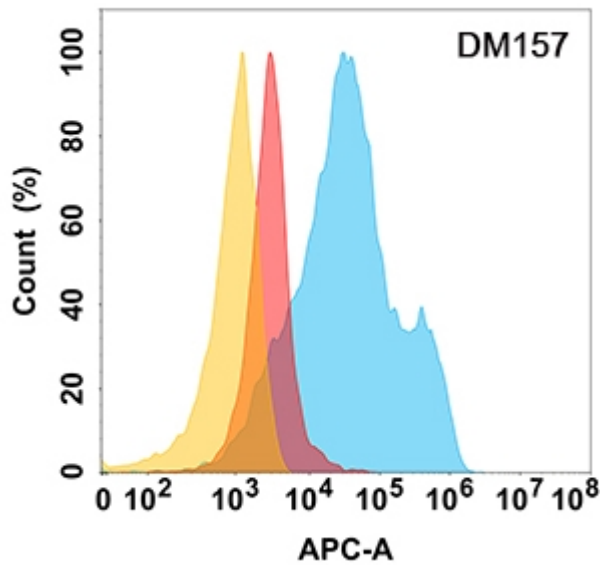


Figure 1. MICA protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-MICA (DM157) on Expi293 cells transfected with human MICA (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).