

PRODUCT INFORMATION

Clone ID **DMC287 Target** NKG2D

Synonyms NKG2D;CD314;KLRK1;NK cell receptor D

Host Species Rabbit

Anti-NKG2D antibody(DMC287); IgG1 Chimeric Description

mAb **Delivery** In Stock **Uniprot ID** P26718

Rabbit/Human Fc chimeric IgG1 IgG type

Clonality Monoclonal Reactivity Human **Applications** Flow Cyt

Recommended

Storage & Shipping

Background

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 lyophilization. Please see Certificate of Analysis Reconstitution

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.

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virusinfected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins; which have been implicated in the regulation of NK cell function. The NKG2 gene family is located within the NK complex; a region

that contains several C-type lectin genes preferentially expressed in NK cells. This gene encodes a member of the NKG2 family. The encoded transmembrane protein is characterized by a type II membrane orientation (has an extracellular C terminus) and the presence of a C-type lectin domain. It binds to a diverse family of ligands that include MHC class I chain-related A and B proteins and UL-16 binding proteins; where

ligand-receptor interactions can result in the activation of NK and T cells. The surface expression of these ligands is important for the recognition of stressed cells by the immune system; and thus this protein and its ligands are therapeutic targets for the treatment of immune diseases and cancers. Read-through transcription exists between this gene and the upstream

KLRC4 (killer cell lectin-like receptor subfamily C; member 4) family member in the same cluster.

Research use only Usage

Conjugate Unconjugated

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Cat. No. DMC100287



DIMA Disclaimer

All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.

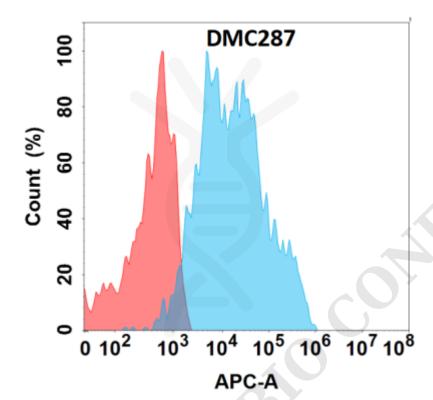


Figure 1. Flow cytometry analysis with Anti-NKG2D (DMC287) on Expi293 cells transfected with human NKG2D (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

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