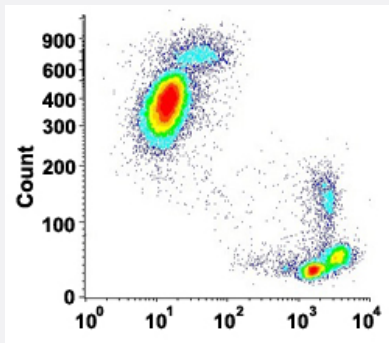


# CD99 monoclonal antibody, clone HI156 (APC)

Catalog # MAB15383      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of human leukocyte with CD99 monoclonal antibody, clone HI156 (APC) (Cat # MAB15383).

## Specification

**Product Description** Mouse monoclonal antibody raised against native human CD99.

**Immunogen** Leukemia cells.

**Host** Mouse

**Theoretical MW (kDa)** 32

**Reactivity** Human

**Form** Liquid

**Conjugation** APC

**Purification** Affinity purification

**Isotype** IgG2a

**Recommend Usage** Flow Cytometry (20  $\mu$ L/ $10^6$  cells)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS, pH 7.4 (protein stabilizer, 0.09% sodium azide).

**Storage Instruction**

Store in the dark at 4°C. Avoid prolonged exposure to light.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

Flow cytometric analysis of human leukocyte with CD99 monoclonal antibody, clone HI156 (APC) (Cat # MAB15383).

## Gene Info — CD99

**Entrez GeneID**
[4267](#)
**Protein Accession#**
[P14209](#)
**Gene Name**

CD99

**Gene Alias**

MIC2, MIC2X, MIC2Y

**Gene Description**

CD99 molecule

**Omim ID**
[313470 450000](#)
**Gene Ontology**
[Hyperlink](#)
**Gene Summary**

The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

CD99 antigen|E2 antigen|MIC2 (monoclonal antibody 12E7)|OTTHUMP00000022840|T-cell surface glycoprotein E2|antigen identified by monoclonal 12E7, Y homolog|antigen identified by monoclonal antibodies 12E7, F21 and O13|surface antigen MIC2

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)

## Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)