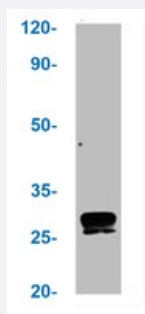


RecomAb™

# CD99 recombinant monoclonal antibody, clone 9A5

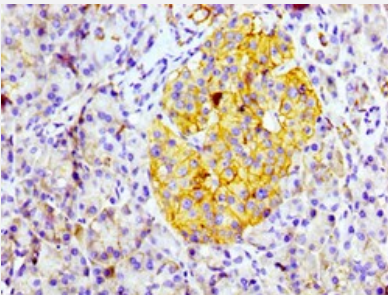
Catalog # RAB04214      Size 100 uL

## Applications



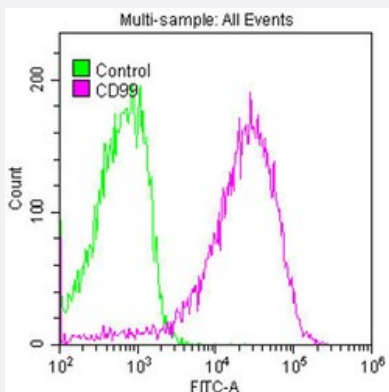
### Western Blot

Western blot analysis of Jurkat whole cell lysate with CD99 recombinant monoclonal antibody, clone 9A5 (Cat # RAB04214).



### Immunohistochemistry

Immunohistochemical staining of human pancreatic tissue with CD99 recombinant monoclonal antibody, clone 9A5 (Cat # RAB04214) (diluted at 1:100).



### Flow Cytometry

Flow cytometric analysis of Jurkat cells with CD99 recombinant monoclonal antibody, clone 9A5 (Cat # RAB04214) (diluted at 1:50; purple line) and negative control (green line).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CD99.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human CD99.
<b>Theoretical MW (kDa)</b>	Calculated MW: 28 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Flow Cytometry Immunohistochemistry (1:50-1:500) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Jurkat whole cell lysate with CD99 recombinant monoclonal antibody, clone 9A5 (Cat # RAB04214).

- Immunohistochemistry

Immunohistochemical staining of human pancreatic tissue with CD99 recombinant monoclonal antibody, clone 9A5 (Cat # RAB04214) (diluted at 1:100).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of Jurkat cells with CD99 recombinant monoclonal antibody, clone 9A5 (Cat # RAB04214) (diluted at 1:50; purple line) and negative control (green line).

## 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](#)