

## CD99 rabbit monoclonal antibody

Catalog # H00004267-K

Size 100 ug x up to 3

### Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human CD99 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human CD99 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human CD99 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — CD99

Entrez GeneID	<a href="#">4267</a>
GeneBank Accession#	<a href="#">CD99</a>
Gene Name	CD99
Gene Alias	MIC2, MIC2X, MIC2Y
Gene Description	CD99 molecule
Omim ID	<a href="#">313470</a> <a href="#">450000</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)