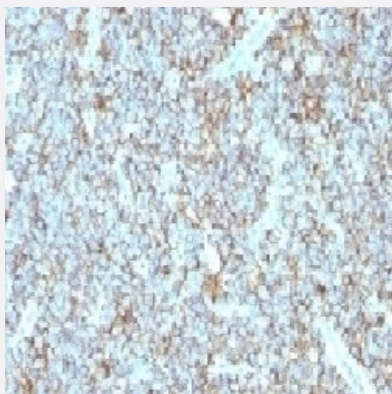


RecomAb™

# CD99 recombinant monoclonal antibody, clone MIC2/1495R

Catalog # RAB03807      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of human Ewing's sarcoma with anti-CD99 recombinant monoclonal antibody, clone MIC2/1495R (Cat # RAB03807).

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD99 protein.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human CD99 protein
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Purification	Protein A affinity chromatography
Concentration	0.2 mg/mL
Isotype	IgG

<b>Recommend Usage</b>	Flow cytometry (2-4 ug/million cells in 0.1mL) Immunofluorescence (2-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(5-10 ug/mL for 30 min at R T) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, 0.1 mg/ml BSA, 0.05% sodium azide
<b>Storage Instruction</b>	Store at 2~8°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Optimal dilutions for each application to be determined by the researcher

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of human Ewing's sarcoma with anti-CD99 recombinant monoclonal antibody, clone MIC2/1495R (Cat # RAB03807).

- Immunofluorescence
- Flow Cytometry

## Gene Info — CD99

<b>Entrez GeneID</b>	<a href="#">4267</a>
<b>Protein Accession#</b>	<a href="#">P14209</a>
<b>Gene Name</b>	CD99
<b>Gene Alias</b>	MIC2, MIC2X, MIC2Y
<b>Gene Description</b>	CD99 molecule
<b>Omim ID</b>	<a href="#">313470</a> <a href="#">450000</a>
<b>Gene Ontology</b>	<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](#)