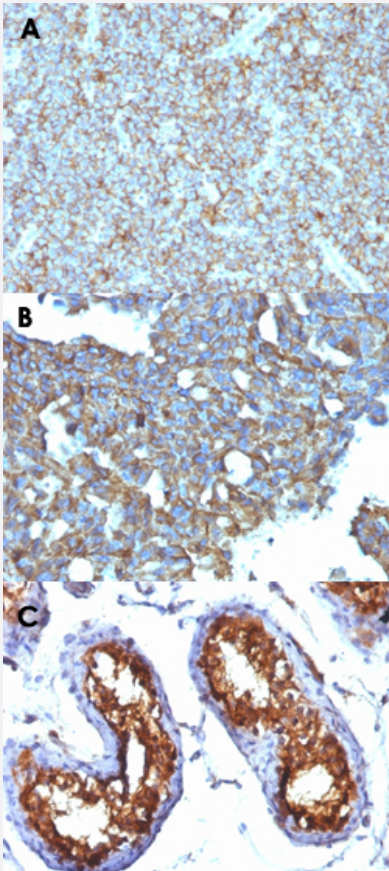


# CD99 monoclonal antibody, clone MIC2/877

Catalog # MAB13351      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Ewing's sarcoma (A), human ovarian carcinoma (B) and human testicular carcinoma (C) with CD99 monoclonal antibody, clone MIC2/877 (Cat # MAB13351).

## Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CD99.
Immunogen	Recombinant protein corresponding to full length human CD99.
Host	Mouse
Theoretical MW (kDa)	27-32
Reactivity	Human

Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Ewing's sarcoma (A), human ovarian carcinoma (B) and human testicular carcinoma (C) with CD99 monoclonal antibody, clone MIC2/877 (Cat # MAB13351).

- Immunofluorescence

- Flow Cytometry

## Gene Info — CD99

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