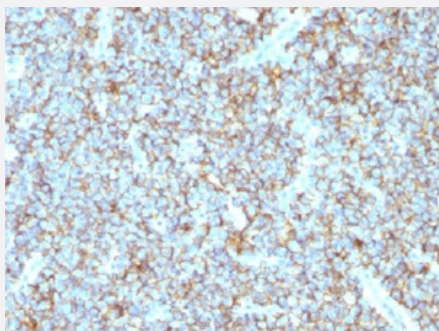


RecomAb™

CD99 recombinant monoclonal antibody, clone MIC2/1495R

Catalog # RAB00282 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ewing's sarcoma with CD99 recombinant monoclonal antibody, clone MIC2/1495R (Cat # RAB00282).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD99.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human MIC2.
Reactivity	Human
Specificity	Recognizes a sialoglycoprotein of 27-32kDa which identified as CD99.
Form	Liquid
Purification	Protein A purification
Isotype	IgG, kappa
Recommend Usage	Flow Cytometry (2-4 ug/million cells) Immunofluorescence (2-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human ewing's sarcoma with CD99 recombinant monoclonal antibody, clone MIC2/1495R (Cat # RAB00282).

- Immunofluorescence
- Flow Cytometry

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

Publication Reference

- [MIC2 is a specific marker for Ewing's sarcoma and peripheral primitive neuroectodermal tumors Evidence for a common histogenesis of Ewing's sarcoma and peripheral primitive neuroectodermal tumors from MIC2 expression and specific chromosome aberration.](#)

Ambros IM, Ambros PF, Strehl S, Kovar H, Gadner H, Salzer-Kuntschik M .

Cancer 1991 Apr; 67(7):1886.

Application: IHC-P, Human, Peripheral primitive neuroectodermal tumors, Sarcoma

Pathway

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

Disease

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