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CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant

Mouse Monoclonal Antibody [Clone 12E7.]
Catalog # AH11820

Specification

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - Product Information

Application	**IHC, IF, FC**
Primary Accession	P14209
Other Accession	4267, 653349
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**27-32kDa KDa**

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - Additional Information

Gene ID 4267

Other Names
CD99 antigen, 12E7, E2 antigen, Protein MIC2, T-cell surface glycoprotein E2, CD99, CD99, MIC2, MIC2X, MIC2Y

Application Note
IHC~~1:100~500<br \>IF~~1:50~200<br \>FC~~1:10~50

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant is for research use only and not for use in diagnostic or therapeutic procedures.

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - Protein Information

Name CD99

Synonyms MIC2, MIC2X, MIC2Y

Function
Involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Involved in T-cell adhesion processes (By similarity).

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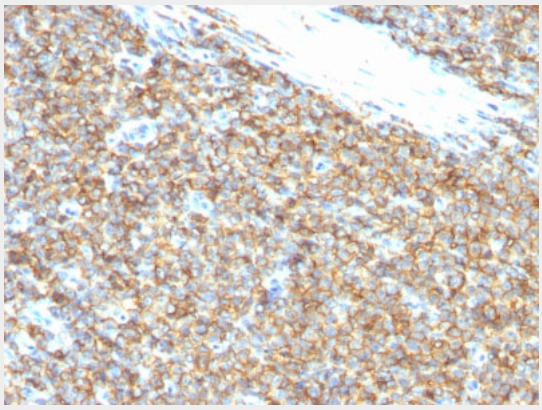
Cellular Location
Membrane; Single-pass type I membrane protein

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - Images



Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with CD99 Monoclonal Antibody (12E7).

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - Background

Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, or MIC2 gene product, or E2 antigen. MIC2 gene is located in the pseudo-autosomal region of the human X and Y chromosome. MIC2 gene encodes two distinct proteins, which are produced by alternative splicing of the CD99 gene transcript and are identified as bands of 30 and 32kDa (p30/32).ĀAlthough its function is not fully understood, CD99 is implicated in various cellular processes including homotypic aggregation of T cells, upregulation of T cell receptor and MHS molecules, apoptosis of immature thymocytes and leukocyte diapedesis.ĀCD99 is expressed on the cell membrane of some lymphocytes, cortical thymocytes, and granulosa cells of the ovary. Most pancreatic islet cells, Sertoli cells of the testis, and some endothelial cells express this antigen. Mature granulocytes express very little or no CD99. MIC2 is strongly expressed on Ewing s sarcoma cells and primitive peripheral neuroectodermal tumors.

CD99 / MIC2 (Ewings Sarcoma Marker) Antibody - Culture Supernatant - References

Levy R, Dilley J, Fox RI, Warnke R. A human thymus-leukemia antigen defined by hybridoma monoclonal antibodies. PNAS USA 1979;76(12):6552-6 |