Rabbit anti-Human CD99/MIC2 Monoclonal Antibody | anti-CD99 antibody

CD99/MIC2 (Ewing s Sarcoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone MIC2/3478R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215804	**Rabbit**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

CD99/MIC2; Monoclonal Antibody; CD99/MIC2 (Ewing s Sarcoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone MIC2/3478R]; CD99/MIC2 (Ewing s Sarcoma Marker); 12E7; E2 antigen; MIC 2X; MIC 2Y; MIC2; Protein MIC2; Surface antigen MIC2; T-cell surface glycoprotein E2; anti-CD99 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	MIC2/3478R
Form/Format	200ug/ml of Ab purified by Protein A Column. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-CD99 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic peptide corresponding to CD99 residues within aa85 C terminal of CD99 was used as an immunogen.
Cellular Localization	Cell Surface
Positive Control	MOLT-4 cells. Pancreas or Ewing s sarcoma
Hu-chromosome Location	Xp22.33
Unigene	653349
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with CD99 Rabbit Recombinant Monoclonal Antibody (MIC2/3478R).

ADDITIONAL INFORMATION

Related Product Information for anti-CD99 antibody	CD99 is a type I transmembrane glycoprotein encoded by the CD99 gene and the functions of CD99 in cells in which CD99 was highly expressed have been studied and they were as follows: cell death of thymocytes and T lymphocytes, migration through monocyte endothelial junctions by adhesion and diapedesis, cell-cell adhesion in lymphocytes, maintenance of cellular morphology in Hodgkin and Reed/Sternberg cells, and recruitment of T cells. CD99 expression has been reported in many cell types, such as hematopoietic cells, endothelial cells, central nervous system ependymal cells, thymocytes, granular cells of the ovary, Sertoli cells, and pancreatic islet cells. And in tumors it expressed by virtually almost all Ewing s sarcoma and primitive peripheral neuroectodermal tumors (ES/PNET) and demonstrates strong and diffuse membranous staining. Other tumors that may show CD99 expression include neuroendocrine carcinomas, mesenchymal chondrosarcomas, solitary fibrous tumors, synovial sarcomas, vascular tumors, small round blue cell tumors, lymphoblastic lymphoma, acute myeloid leukemia, and myeloid sarcoma. Studies have shown that CD99 may be a sensitive marker for Ewing s sarcoma and peripheral neuroectodermal tumors.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505183
NCBI GeneID	4267
NCBI Accession #	NP_002405.1
NCBI GenBank Nucleotide #	NM_002414.3
UniProt Accession #	P14209; O00518; Q6ICV7; A6NIW1
Molecular Weight	18,848 Da
NCBI Official Full Name	CD99 antigen isoform a
NCBI Official Synonym Full Names	CD99 molecule
NCBI Official Symbol	CD99
NCBI Official Synonym Symbols	MIC2; HBA71; MIC2X; MIC2Y; MSK5X
NCBI Protein Information	CD99 antigen; E2 antigen; surface antigen MIC2; T-cell surface glycoprotein E2; MIC2 (monoclonal antibody 12E7); antigen identified by monoclonal 12E7, Y homolog; antigen identified by monoclonal antibodies 12E7, F21 and O13
UniProt Protein Name	CD99 antigen
UniProt Gene Name	**CD99**
UniProt Synonym Gene Names	MIC2; MIC2X; MIC2Y
UniProt Entry Name	CD99_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/cd99-mic2-antibody-clone-mic2-3478r-immunohistochemistry-elisa/215804