

## Recombinant CD99 / MIC2 (Ewing s Sarcoma Marker) Antibody

Rabbit Monoclonal Antibody [Clone MIC2/3478R]

Catalog No	Format	Size
4267-RBM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4267-RBM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4267-RBM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

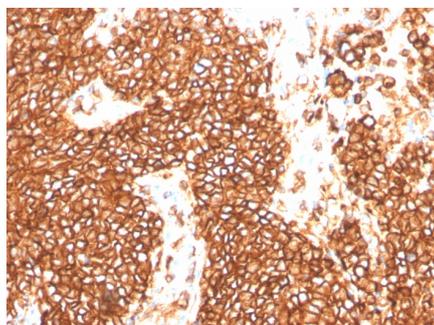
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

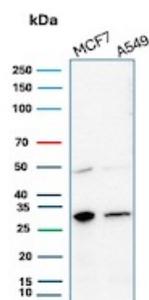
<b>Clone</b>	MIC2/3478R
<b>Gene Name</b>	CD99
<b>Immunogen</b>	Synthetic peptide corresponding to CD99 residues within aa85 C terminal of CD99 was used as an immunogen
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	27-32kDa
<b>Cellular Localization</b>	Membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	MCF7, A549, MOLT-4 cells. Pancreas or Ewing s sarcoma

\*Optimal dilution for a specific application should be determined.

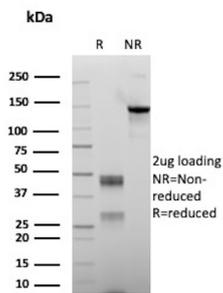
### Product Images for Recombinant CD99 / MIC2 (Ewing s Sarcoma Marker) Antibody



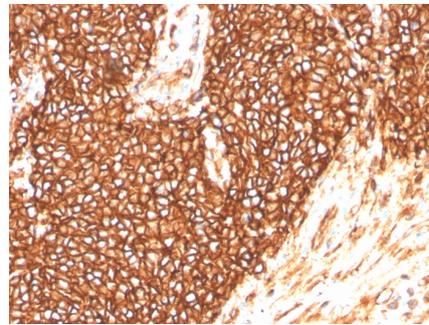
Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with CD99 Rabbit Recombinant Monoclonal Antibody (MIC2/3478R).



Western blot analysis of MCF7 and A549 cell lysates using CD99 Rabbit Recombinant Monoclonal Antibody (MIC2/3478R).



SDS-PAGE Analysis of Purified CD99 antigen Recombinant Rabbit Monoclonal Antibody (MIC2/3478R). Confirmation of Purity and Integrity of Antibody.



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

### Specificity & Comments

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.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

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.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Immunology