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

Mouse Monoclonal Antibody [Clone rHO36-1.1]

| Catalog No | Format | Size |
|---|---|---|
| 4267-MSM7-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 4267-MSM7-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 4267-MSM7-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |
| 4267-MSM7-P1BX | Purified Ab WITHOUT BSA at 1.0mg/ml | 100 ug |

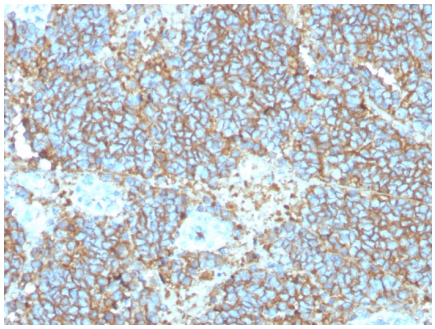
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) |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

## Product Details

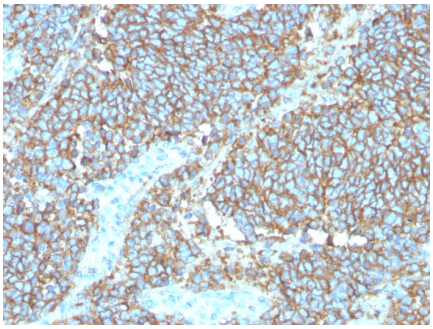
| | |
|---|---|
| **Clone** | rHO36-1.1 |
| **Immunogen** | Recombinant fragment (around aa1-185) of the human CD99 protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgM / Kappa |
| **Mol. Weight of Antigen** | 18.85kDa |
| **Cellular Localization** | Membrane |
| **Species Reactivity** | Human |
| **Positive Control** | 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 Recombinant Mouse Monoclonal Antibody (rMIC2/3317).



Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with CD99 Recombinant Mouse Monoclonal Antibody (rMIC2/3317).

## Specificity & Comments

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).Although 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.CD99 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.

## Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. 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.

## 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.