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36-1428: Monoclonal Antibody to CD99 / MIC2 (Ewing's Sarcoma Marker)(Clone : SPM586)

Clonality :	Monoclonal
Clone Name :	SPM586
Application :	FACS,IF,IHC
Reactivity :	Human, Rat
Gene :	CD99
Gene ID :	4267
Uniprot ID :	P14209
Format :	Purified
Alternative Name :	CD99,MIC2,MIC2X,MIC2Y
Isotype :	Mouse IgM, kappa
Immunogen Information :	Purified E-rosette forming cells from human peripheral blood lymphocytes

Description

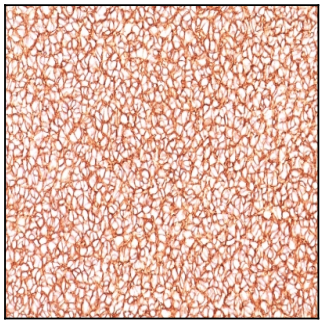
Recognizes a sialoglycoprotein of 27-32kDa, identified as CD99, or MIC2 gene product, or E2 antigen. This antigen is expressed on the cell membrane of some lymphocytes, cortical thymocytes, and granulosa cells of the ovary. Most pancreatic islet cells, Sertoli cells of the testis, and some endothelial 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. This MAb shows a very similar reactivity to other CD99 MAbs (e.g. O13, 12E7, or HBA-71) and is excellent for immunohistochemical staining of formalin-fixed, paraffin-embedded tissues.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (5-10ul/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at Room Temp)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Ewing's sarcoma stained with CD99 Monoclonal Antibody (SPM586).