

## CD99 clone 12E7

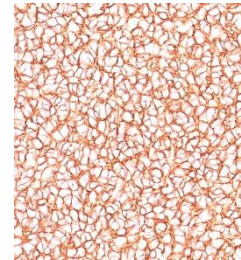
### Instructions for Use

**Specification:**

Recognizes a sialo glycoprotein 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.

**Availability:**

Catalog No.	Contents	Volume
ILM4267-C01	CD99	0,1 ml concentrate
ILM4267-C05	CD99	0,5 ml concentrate
ILM4267-C1	CD99	1,0 ml concentrate



**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** 12E7

**Species of origin:** Mouse

**Isotype:** IgG, kappa

**Control Tissue:** Pancreas or Ewing's sarcoma

**Staining:** Membranous

**Immunogen:** Human acute lymphocytic leukemia T-cells

**Presentation:** Bioreactor Concentrate with 0.05% Azide

**Application and suggested dilutions:**

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:50 / 1:100)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not Freeze. Do not use after expiration date printed on the vial.

**References:**

- 1) Levy R, Dilley J, Fox RI, Warnke R. PNAS USA 1979;76(12):6552-6