

Datasheet for ABIN6940045

## Recombinant anti-CD99 antibody



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### 2 Images

#### Overview

Quantity:	100 µg
Target:	CD99
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD99 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	Recombinant human MIC2 protein
Clone:	MIC2-1495R
Isotype:	IgG
Specificity:	Recognizes a sialoglycoprotein of 27-32 kDa, 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 32 kDa (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.

## Product Details

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.

## Target Details

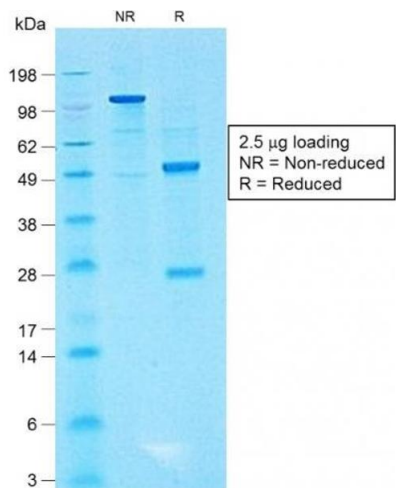
Target:	CD99
Alternative Name:	CD99 ( <a href="#">CD99 Products</a> )
Target Type:	Viral Protein
Molecular Weight:	27-32kDa
Gene ID:	4267
UniProt:	<a href="#">P14209</a>

## Application Details

Application Notes:	Positive Control: MOLT-4 cells. Pancreas or Ewing's sarcoma.  Known Application: Immunohistochemistry (Formalin-fixed) (5-10 µg/mL for 30 min at Room Temp)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

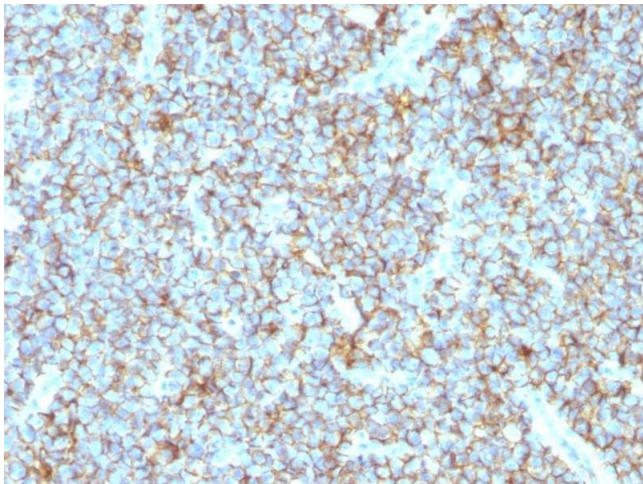
## Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



### SDS-PAGE

**Image 1.** SDS-PAGE Analysis of Purified CD99 Rabbit Recombinant Monoclonal Antibody (MIC2/1495R). Confirmation of Integrity and Purity of Antibody



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Ewing's Sarcoma stained with CD99 Rabbit Recombinant Monoclonal Antibody (MIC2/1495R).