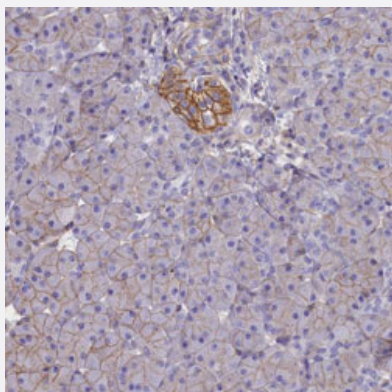


# CD99 polyclonal antibody

Catalog # PAB31189      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CD99 polyclonal antibody (Cat # PAB31189) shows membranous positivity in islets of Langerhans.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human CD99.
<b>Immunogen</b>	Recombinant protein corresponding to human CD99.
<b>Sequence</b>	SSFIA YQKKKLCFKENAEQGEVDMESH RNANAEP AVQRTLL
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

**Storage Instruction**

Store at 4°C for short term storage. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — CD99

**Entrez GeneID**[4267](#)**Protein Accession#**[P14209](#)**Gene Name**

CD99

**Gene Alias**

MIC2, MIC2X, MIC2Y

**Gene Description**

CD99 molecule

**Omim ID**[313470 450000](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

CD99 antigen|E2 antigen|MIC2 (monoclonal antibody 12E7)|OTTHUMP00000022840|T-cell surface glycoprotein E2|antigen identified by monoclonal 12E7, Y homolog|antigen identified by monoclonal antibodies 12E7, F21 and O13|surface antigen MIC2

## Publication Reference

- [CD99 is a novel prognostic stromal marker in non-small cell lung cancer.](#)

Edlund K, Lindskog C, Saito A, Berglund A, Ponten F, Göransson-Kultima H, Isaksson A, Jirstrom K, Planck M, Johansson L, Lambe M, Holmberg L, Nyberg F, Ekman S, Bergqvist M, Landelius P, Lamberg K, Botling J, Ostman A, Micke P.

International Journal of Cancer 2012 Nov; 131(10):2264.

Application: IF, IHC-P, WB-Ce, WB-Ti, Human, Human non-small cell lung cancer, Human tissue microarray, MOLT-4 cells

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)

## Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)