

Anti-CD99 (Extracellular region) Antibody
Catalog # AN1702**Specification****Anti-CD99 (Extracellular region) Antibody - Product Information**

Application	WB, IHC
Primary Accession	P14209
Reactivity	Bovine
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Calculated MW	18848

Anti-CD99 (Extracellular region) Antibody - Additional Information

Gene ID 4267

Other Names

CD99 antigen, 12E7, E2 antigen, MIC2 T-cell surface glycoprotein E2, MIC2X, MIC2Y

Target/Specificity

The glycosylated transmembrane protein CD99 is involved in many essential cellular functions including cell adhesion, migration, cell death, differentiation, and intracellular protein trafficking. The CD99 gene encodes two distinct proteins, type I is 32 kDa and type II is 28 kDa, which are a result of the alternative splicing of the cytoplasmic region. These CD99 isoforms are expressed in a cell-type-specific manner and may have distinct functions. CD99 is overexpressed in several types of sarcomas, lymphomas, gliomas, neuroendocrine tumors, and some breast cancers. In these tumors, CD99 may have oncogenetic functions that promote migration, invasion, and metastasis of tumor cells. However, other neoplasms, carcinomas, and sarcomas have CD99 expression in benign or early-stage tumors, but lower expression in the advanced-stage counterparts. In these tumors, CD99 may have oncosuppressor signaling, and its re-expression can lead to the reversal of malignancy. Thus, CD99 is an important membrane protein involved in many aspects of cell migration and adhesion in normal and diseased cells.

Dilution

WB~~1:1000

IHC~~1:100~500

Format

Protein G Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-CD99 (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

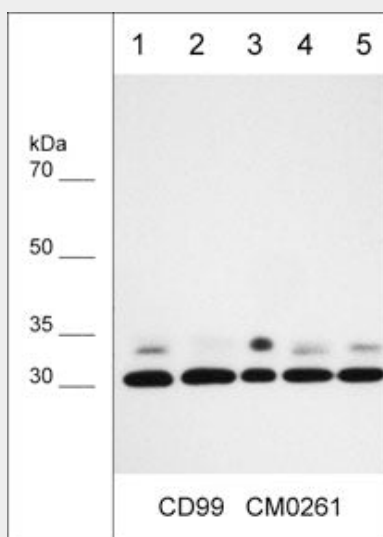
Blue Ice

Anti-CD99 (Extracellular region) Antibody - Protocols

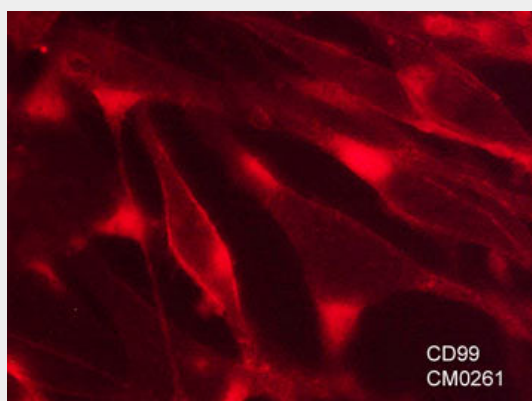
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

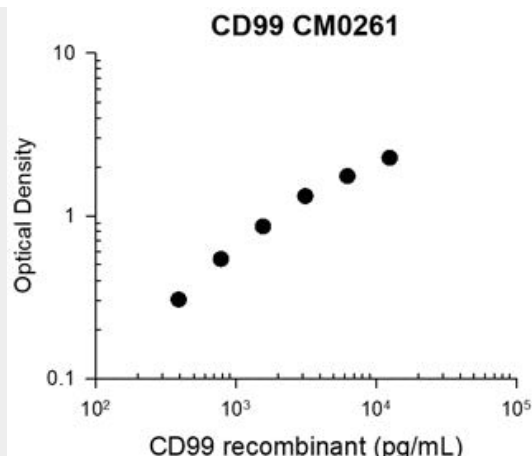
Anti-CD99 (Extracellular region) Antibody - Images



Western blot analysis of human cell lysates: A549 (lane 1), A431 (lane 2), LNCaP (lane 3), MDA-MB-231 (lane 4) and MeWo (lane 5). The blot was probed with mouse monoclonal anti-CD99 (CM0261) at 1:1000.



Immunocytochemical labeling of CD99 in paraformaldehyde fixed human MeWo cells. The cells were labeled with mouse monoclonal anti-CD99 (clone M026). The antibody was detected using goat anti-mouse DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-CD99 (CM0261) for ELISA capture of human recombinant CD99 extracellular region with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.

Anti-CD99 (Extracellular region) Antibody - Background

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