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Datasheet

CD99 monoclonal antibody (M01), clone 3A10

Catalog Number: H00004267-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant CD99.

Clone Name: 3A10

Immunogen: CD99 (AAH03147, 23 a.a. ~ 122 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
DGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGDAV
VDGENDDPRPPNPPKPMPNPNPNHPSSSGSFSDADL
ADGVSGGEGKGGSDGGGSHRKEGEEAD

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Ce, WB-Re, WB-Tr (See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4267

Gene Symbol: CD99

Gene Alias: MIC2, MIC2X, MIC2Y

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]

References:

1. Orbital infantile myofibroma: a case report and clinicopathologic review of 24 cases from the literature. Mynatt CJ, Feldman KA, Thompson LD. Head Neck Pathol. 2011 Sep;5(3):205-15. Epub 2011 Apr 22.