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CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP14143b

Specification

CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - Product Information

Primary Accession P14209

CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - Additional Information

Gene ID 4267

Other Names
CD99 antigen, E2 antigen, Protein MIC2, T-cell surface glycoprotein E2, CD99, CD99, MIC2, MIC2X, MIC2Y

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14143b was selected from the C-term region of CD99/CD99. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - Protein Information

Name CD99

Synonyms MIC2, MIC2X, MIC2Y

Function
Involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Involved in T-cell adhesion processes (By similarity).

Cellular Location
Membrane; Single-pass type I membrane protein

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CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - Images

CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is a cell surfaceglycoprotein involved in leukocyte migration, T-cell adhesion,ganglioside GM1 and transmembrane protein transport, and T-celldeath by a caspase-independent pathway. In addition, the encodedprotein may have the ability to rearrange the actin cytoskeletonand may also act as an oncosuppressor in osteosarcoma. CyclophilinA binds to CD99 and may act as a signaling regulator of CD99. Thisgene is found in the pseudoautosomal region of chromosomes X and Yand escapes X-chromosome inactivation. Two transcript variantsencoding different isoforms have been found for this gene.

CD99/CD99 (mic-2) Antibody (C-term) Blocking peptide - References

Husak, Z., et al. J. Leukoc. Biol. 88(2):405-412(2010)Kanner, W.A., et al. J. Cutan. Pathol. 37(7):744-750(2010)Duncan, L.M., et al. J. Immunol. 184(12):6978-6985(2010)Rocchi, A., et al. J. Clin. Invest. 120(3):668-680(2010)Yoshino, N., et al. Ann Thorac Cardiovasc Surg 15(5):324-327(2009)