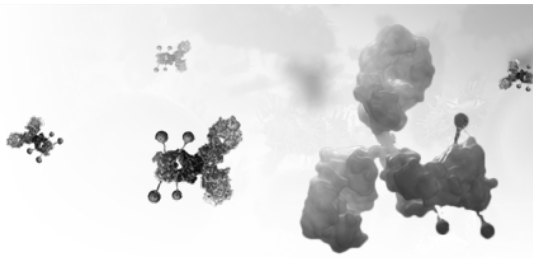

Anti-CD99 monoclonal antibody, clone DN16 [FITC] (CABT-49635MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti human CD99 antibody, clone DN16 recognizes human CD99, also known as E2 antigen, MIC2 or 12E7. CD99 is a 185 amino acid ~32kDa single pass type I transmembrane O-glycosylated glycoprotein. Three isoforms can be producted by alternative splicing. Epitope analysis of the DN16 clone suggests the antibody recognizes a minimal peptide sequence 'LPDNENKK'; located between residues 32 and 39 towards the N-terminal region of the molecule. This sequence is present in both isoforms I and II but is largely absent from isoform 3 suggesting that the antibody will only recognize isoforms I and II. CD99 expression is notable in the testis, pancreas, bone marrow, lymph nodes and spleen. CD99 is expressed on all classes of leukocytes and tends to be highest on immature cells. Functionally CD99 has been found to be involved in cellular adhesion/aggregation and apoptosis. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	CD99
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	DN16
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 µg

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Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD99 CD99 molecule [Homo sapiens (human)]
Official Symbol	CD99
Synonyms	CD99; CD99 molecule; MIC2; HBA71; MIC2X; MIC2Y; MSK5X; CD99 antigen; E2 antigen; surface antigen MIC2; T-cell surface glycoprotein E2; MIC2 (monoclonal antibody 12E7); antigen identified by monoclonal 12E7, Y homolog; antigen identified by monoclonal anti
Entrez Gene ID	4267
Protein Refseq	NP_001116370
UniProt ID	P14209
Chromosome Location	Xp22.32 and Yp11.3
Pathway	Cell adhesion molecules (CAMs); Leukocyte transendothelial migration;

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