



Anti-CD99 monoclonal antibody, clone FMC29 (CABT-52758MH)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD99R antibody, clone FMC29 recognizes the human CD99 cell surface antigen, also known as T-cell surface glycoprotein E2, Protein MIC2, E2 antigen or 12E7. CD99 is a single pass type-1 transmembrane glycoprotein, expressed by T cells, NK cells and myeloid cells. CD99 is generally absent on B cells. Mouse anti Human CD99R antibody, clone FMC29 was clustered along with clones MEM-131, HIT4, HI147, HI170 and D44 at the Fifth leucocyte typing conference and workshop to CD99R, a restricted epitope cluster on the CD99 gene product. Other clones including L129, 12E7 and O13 bind to a less restricted epitope of the CD99 gene product. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	CD99R
Immunogen	HPB MLT T cell line
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Human
Clone	FMC29
Conjugate	Unconjugated
Applications	FC; WB
Format	Ascitic fluid - liquid
Size	200 µl
Preservative	0.09% Sodium Azide

Storage in frost-free freezers is not recommended. 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;