

Monoclonal Antibody to CD99 / MIC2 - FITC

Alternate names:	12E7, E2 antigen, MIC2X, MIC2Y, Protein MIC2, T-cell surface glycoprotein E2
Catalog No.:	SM1527F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD99 is a 32kD glycoprotein expressed by all leucocytes. CD99 expression tends to be highest on immature cells. Functionally CD99 has been found to be involved in lymphocyte adhesion/aggregation and apoptosis.
Uniprot ID:	P14209
NCBI:	NP_001116370.1
GeneID:	4267
Host / Isotype:	Mouse / IgG1
Clone:	DN16
Format:	State: Liquid purified IgG fraction Purification: Ion Exchange Chromatography Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10µl of neat CD99 antibody to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD99 cell surface antigen, a 32kD glycoprotein expressed by all leucocytes. CD99 expression tends to be highest on immature cells. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Choi, e. Y. et al. (1998) Engagement of CD99 induces up-regulation of TCR and MHC Class I and II molecules on the surface of human thymocytes. J. Immunol. 161: 749-754. 2. Hahn, J. H. et al. (1997) CD99 (MIC2) regulates the LFA-1/ICAM-1 mediated adhesion of lymphocytes, and its gene encodes both positive and negative regulators of cellular adhesion. J. Immunol. 159: 2250-2258. 3. Kim, S.H. et al. (1998) Generation of cells with Hodgkins and Reed-Sternberg phenotype through downregulation of CD99 (MIC2). Blood 92: 4287-4295.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com