

CD99 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P70752
Synonyms:	CD99 Antigen; 12E7; E2 Antigen; Protein MIC2; T-Cell Surface Glycoprotein E2; CD99; MIC2; MIC2X; MIC2Y
Species:	Human
Source:	HEK293
Accession:	P14209 (D23-D122)
Gene ID:	4267
Molecular Weight:	Approximately 58.0 kDa

PROPERTIES

AA Sequence	D G G F D L S D A L P D N E N K K P T A I P K K P S A G D D F D L G D A V V D G E N D D P R P P N P P K P M P N P N P N H P S S S G S F S D A D L A D G V S G G E G K G G S D G G G S H R K E G E E A D
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CD99 protein participates in crucial T-cell adhesion processes, contributing to spontaneous rosette formation with erythrocytes. Additionally, it plays a vital role in the late stages of leukocyte extravasation, aiding leukocytes in overcoming the endothelial basement membrane during immune responses. Remarkably, its function is independent of PECAM1, although it acts at the same site. The involvement of CD99 in T-cell adhesion processes underscores its significance in mediating cellular interactions essential for immune function.
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Caution: Product has not been fully validated for medical applications. For research use only.

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