

## CD99 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P75365
Synonyms:	CD99 Antigen; 12E7; E2 Antigen; Protein MIC2; T-Cell Surface Glycoprotein E2; CD99; MIC2; MIC2X; MIC2Y
Species:	Rat
Source:	HEK293
Accession:	B4F7A5 (D25-G127)
Gene ID:	652929
Molecular Weight:	Approximately 48 kDa

### PROPERTIES

AA Sequence	D G D F R L D D A L      E D T D K K P T P K      P P T P K K P S S G      D F D L E E A L T G G A D E D P R R P G      S R P K P D P K P P      G P P R D S G G I S      D R D L E D V A G H G G R G G G A G D R      G T D G A E S E G Q      P Q G
Biological Activity	Measured by its ability to chemoattract U87 cells. The ED <sub>50</sub> for this effect is 21.43 ng/mL, corresponding to a specific activity is 4.67×10 <sup>4</sup> U/mg.
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 <sub>2</sub> 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, a member of the CD99 family, is a key player in several important cellular processes, including immune responses, cell adhesion, and migration. It exerts significant influence on lymphocyte trafficking and is involved in the regulation of immune cell interactions. CD99 Protein is known to be expressed on various immune cells, where it contributes to the formation of immunological synapses and facilitates the communication between different immune cells. Additionally, CD99 Protein is implicated in cell adhesion and migration processes, playing a crucial role in the transmigration of leukocytes across endothelial cell barriers. Through its multifaceted functions, CD99 Protein is essential
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for the proper functioning of the immune system and the coordination of immune responses.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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