

CD99 (Human) Recombinant Protein

Catalog # P9343

Size 2 x 10 ug

Specification

Product Description	Human CD99 partial recombinant protein with hlgG-His tag in C-terminus expressed in Baculovirus cells.
Sequence	ADPDGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGDAVVDGENDDPRPPNPPKMPNPNP NHPSSSGSFSDADLADGVSGGEGKGGSDGGGSHRKEGEEADLEPKSCDKTHTCPPCPAPELL GGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVS LTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQSV HEALHNHYTQKSLSLSPGKHHHHHH
Host	Viruses
Theoretical MW (kDa)	37.3
Form	Liquid
Preparation Method	Baculovirus expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Storage Buffer	Solution (1 mg/mL) containing 1X PBS, pH 7.4, 10% glycerol.
Storage Instruction	Store at 4°C for one weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — CD99

Entrez GeneID	4267
Protein Accession#	P14209
Gene Name	CD99
Gene Alias	MIC2, MIC2X, MIC2Y
Gene Description	CD99 molecule
Omim ID	313470 450000
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. Cyclophilin A binds to CD99 and may act as a signaling regulator of CD99. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CD99 antigen E2 antigen MIC2 (monoclonal antibody 12E7) OTTHUMP00000022840 T-cell surface glycoprotein E2 antigen identified by monoclonal 12E7, Y homolog antigen identified by monoclonal antibodies 12E7, F21 and O13 surface antigen MIC2

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)