

## Active Recombinant Human CD99, Fc-tagged, Biotinylated

**Cat. No.** CD99-589H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human CD99-Fc is expressed as a 329 amino acid protein consisting of Asp23 - Ala123 region of CD99 (UniProt #P14209 - isoform 1) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
<b>Source</b>	Human cells
<b>Species</b>	Human
<b>Tag</b>	Fc
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
<b>Bio-activity</b>	Immobilized CD99-Fc protein supports homophilic interaction with CD99 itself (e.g., via biotinylated CD99 protein) by a functional ELISA.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 35.7; Estimated by SDS-PAGE under reducing condition (kDa): 50-55
<b>AA Sequence</b>	DGGFDLSDALPDNENKKPTAIPKKP SAGDDFDLGDVVDGENDDP RPPNP PKMPNP NHPSSSGSFSDADLA DGVSGGEGKGGSDGGGSHRKEGEEA DASTGTHTCPPCPAPELLGGPSVFL FPPKPKDTLMISRTPEVTCVVVDV SHEDPEVKFNWYVDGVEVHNAKTKP REEQYNSTYRVVSVLTVLHQDWLNG KEYKCKVSNKALPAPIEKTISKAK GQPREPQVYTLPPSREEMTKNQVSL TCLVKGFYPSDIAVEWESNGQPENN YKTTTPVLDSDGSFFLYSKLTVDK

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SRWQQGNVFSCSVMEALHNHYTQK SLSLSPGK

**Endotoxin** <0.1 eu per 1 µg of purified recombinant protein determined by the

**Purity** >95% judged by SDS-PAGE under reducing condition

**Storage** The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** CD99 CD99 molecule [ Homo sapiens ]

**Official Symbol** CD99


**Synonyms** CD99; CD99 molecule; antigen identified by monoclonal antibodies 12E7, F21 and O13 , CD99 antigen , MIC2; CD99 antigen; E2 antigen; surface antigen MIC2; T-cell surface glycoprotein E2; MIC2 (monoclonal 12E7); antigen identified by monoclonal 12E7, Y homolog; antigen identified by monoclonal antibodies 12E7, F21 and O13; MIC2; HBA71; MIC2X; MIC2Y; MSK5X;

**Gene ID** 4267

**mRNA Refseq** NM\_001122898

**Protein Refseq** NP\_001116370

**MIM** 313470

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<b>UniProt ID</b>	P14209
<b>Chromosome Location</b>	Xp22.32 and Yp11.3
<b>Pathway</b>	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem;

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