Active Recombinant Human CD99, Fc-tagged

Cat. No. CD99-590H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	23-123 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).
Bio-activity	Immobilized CD99-Fc protein supports homophillic interaction with CD99 itself (e.g., via biotinylated CD99 protein) by a functional ELISA.
Molecular Mass	Calculated molecular mass (kDa): 35.7; Estimated by SDS-PAGE under reducing condition (kDa): 50-55
AA Sequence	DGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGDAVVDGENDDPRPPNPPKPMP NPNPNHPSSSGSFSDADLA DGVSGGEGKGGSDGGGSHRKEGEEADASTGTHTCP PCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV SHEDPEVKFNWYVDGVE VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAK GQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPP VLDSDGSFFLYSKLTVDK SRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

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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
UniProt ID	P14209

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Chromosome Location	Xp22.32 and Yp11.3
Pathway	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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