Recombinant Human CD99 protein

Cat. No. CD99-125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD99 was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Description	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. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	18.8 kDa
AA Sequence	MARGAALALLLFGLLGVLVAAPDGGFDLSDALPDNENKKPTAIPKKPSAGDDFDLGD AVVDGENDDPRPPNPPKP MPNPNPNHPSSSGSFSDADLADGVSGGEGKGGSDG GGSHRKEGEEADAPGVIPGIVGAVVVAVAGAISSFIAYQK KKLCFKENAEQGEVDM ESHRNANAEPAVQRTLLEK
Applications	Antibody Production; Functional Study; Compound Screening

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Notes	Heating may cause protein aggregation. Please do not heat this product before electrophoresis. Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

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_002414
Protein Refseq	NP_002405
MIM	313470
UniProt ID	P14209
Chromosome Location	Xp22.32 and Yp11.3
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion

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	molecules (CAMs), conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem;

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