

Recombinant human CD99 protein

Catalog Number: ATGP3615

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-122aa

UniProt No.

P14209

NCBI Accession No.

NP_002405

Alternative Names

CD99 antigen isoform a, CD99, HBA71, MIC2, MIC2X, MIC2Y, MSK5X

PRODUCT SPECIFICATION

Molecular Weight

37.3 kDa (342aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD99, also known as CD99 antigen isoform a, is a type 1 transmembrane glycoprotein and the founding member of the CD99 family of molecules. Cells known to express this protein include fibroblasts, neutrophils, T cells, CD34+ stem cells, monocytes and endothelial cells. Also, it plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Recombinant human CD99, fused to hIgG-

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His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPDGGFDLS DALPDNENKK PTAIPKKPSA GDDFDLGDV VDGENDDPRP PNPPKMPNP NPNHPSSSGS FSDADLADGV
SGGEGKGGSD GGGSHRKEGE EADLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP
EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL
PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA
LHNHYTQKSL SLSPGKHHHH HH

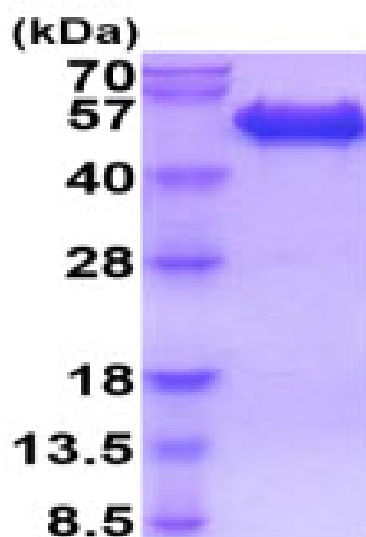
General References

Hahn JH., et al, (1997) J. Immunol. 159:2250-2258.

Gil M., et al, (2015) Immunol. Lett. 168:329-336.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)