

Synonym

CD99,HBA71,MIC2,MIC2X,MIC2Y,MSK5X,12E7

Source

Human CD99, Fc Tag (CD9-H5257) is expressed from human 293 cells (HEK293). It contains AA Asp 23 - Asp 122 (Accession # [AAH02584](#)).

Predicted N-terminus: Asp 23

Molecular Characterization

CD99(Asp 23 -Asp 122) AAH02584	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 36.2 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

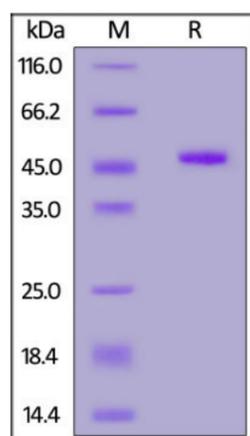
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

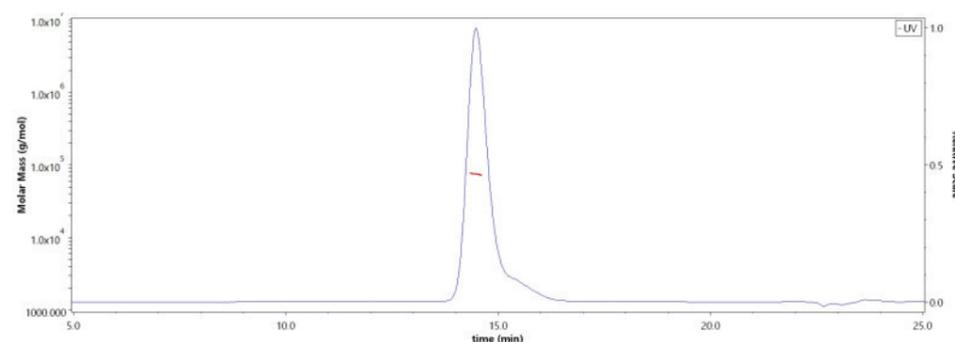
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human CD99, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-MALS

The purity of Human CD99, Fc Tag (Cat. No. CD9-H5257) was more than 85% and the molecular weight of this protein is around 67-81 kDa verified by SEC-MALS.

[Report](#)

Background

CD99 antigen is also known as MIC2, single-chain type-1 glycoprotein, HBA71, MIC2X, MIC2Y, MSK5X, 12E7, which belongs to the CD99 family. CD99 / MIC2 is expressed on all leukocytes but highest on thymocytes. Involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. CD99 / MIC2 plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. CD99 acts at the same site as, but independently of PECAM1. There is also experimental evidence that it binds to cyclophilin A.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.