Human CD171 Protein, His Tag (MALS verified)

Catalog # CD1-H52H4

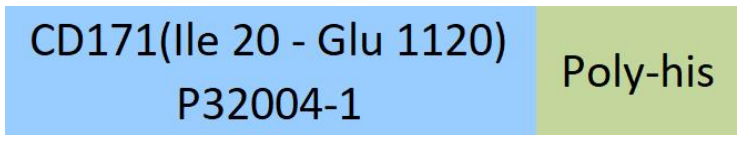
Synonym

CD171,L1CAM

Source

Human CD171, His Tag(CD1-H52H4) is expressed from human 293 cells (HEK293). It contains AA Ile 20 - Glu 1120 (Accession # P32004-1).
Predicted N-terminus: Ile 20

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 125.1 kDa. The protein migrates as 160-200 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0 with trehalose as protectant.

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

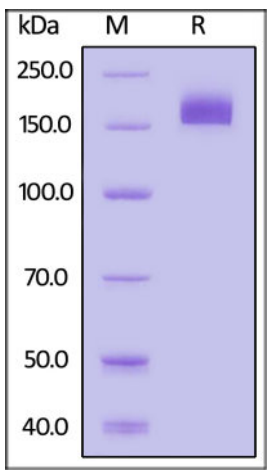
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

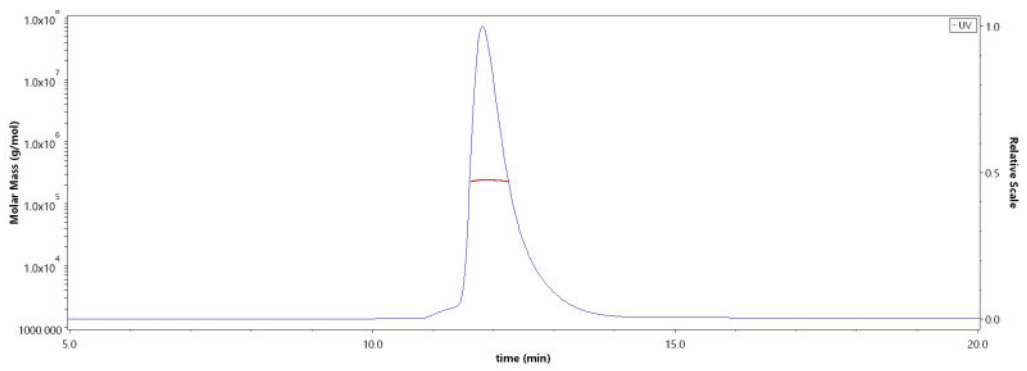
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human CD171, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS



The purity of Human CD171, His Tag (Cat. No. CD1-H52H4) is more than 90% and the molecular weight of this protein is around 208-248 kDa verified by SEC-MALS.
Report

Background

L1CAM is a cell adhesion molecule of the immunoglobulin superfamily which was originally discovered as a major player in the development of the nervous system. L1CAM was demonstrated to have prognostic value in different cancers and to be a promising target for anti-cancer therapy.

Clinical and Translational Updates