Mouse L1CAM Protein

Cat. No. LAM-MM101

Description

Source	Recombinant Mouse L1CAM Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ile20-Glu1123.
Accession	P11627
Molecular Weight	The protein has a predicted MW of 125.4 kDa. Due to glycosylation, the protein migrates to 160-180 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

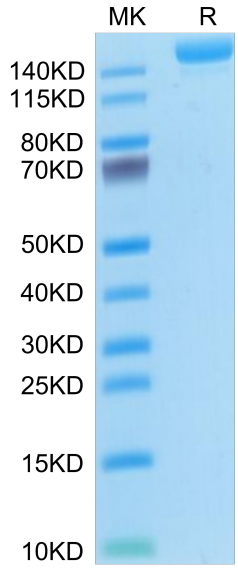
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

L1 cell adhesion molecule (L1CAM) is one of the first neural adhesion molecules described with important functions in the development of the nervous system. Subsequent work discovered that L1CAM is expressed in many human cancers and is often associated with bad prognosis. This is most likely due to the motility and invasion promoting function of L1CAM. L1CAM is a valuable diagnostic/prognostic marker and an attractive target for the therapy of several human cancers.

Assay Data

Bis-Tris PAGE



Mouse L1CAM on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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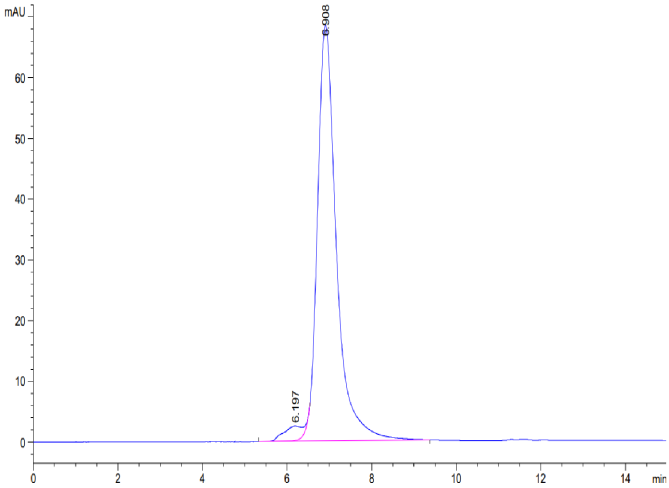

The purity of Mouse L1CAM is greater than 95% as determined by SEC-HPLC.