

Rev02
 Update: Aug,08,2025
DATASHEET

L1CAM, His, Human

Cat. No.: Z05555

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> L1CAM (Ile20-Glu1120)_x000D_ Accession # P32004-1 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> His </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized L1CAM, His, Human at 0.2µg/ml (100µl/well) on the plate can bind AntiL1CAM Antibody, hFc Tag. Test result was comparable to standard batch
Expression System	HEK293
Theoretical Molecular Weight	124.6 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 150-180 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target 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.

Synonyms : N-CAM-L1; NCAM-L1; CD171; L1CAM; CAML1; MIC5; CALL; CHL1; CHL-1; FLJ44930; L1CAM-2; MGC132578; HSAS; HSAS1; MASA; S10; SPG1

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