

## Product datasheet for **TA389159**

### L1CAM Mouse Antibody [Clone ID: M023]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M023
Applications:	ICC, IP, WB
Recommended Dilution:	<b>WB:</b> 1:1000 <b>ICC:</b> 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M023) was generated from a proprietary antigen related to the native human L1CAM expressed in the MeWo melanoma cell line.
Specificity:	Clone M023 mouse monoclonal antibody detects a 230 kDa* protein on SDS-PAGE immunoblots of human MeWo, MDA-MB-231, A431, and MCF7 cells, as well as human brain tissue. The antibody works for western blot, immunoprecipitation, ELISA, and immunocytochemistry, as well as detects L1CAM on live cells.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	230
Database Link:	<a href="#">P32004</a>



[View online »](#)

**Background:**

The basal lamina contains Collagen Type IV, proteoglycans, and glycoproteins. Laminin is a high molecular weight (850 kDa) oligomer, consisting of three different chains ( $\alpha$ ,  $\beta$ , and  $\gamma$ ) joined by disulfide bonds. The structure of laminins include two helical domains (I & II) at the COOH-terminal, a laminin IV domain, multiple EGF-like repeats, and a laminin globular domain (G), as well as an N-terminal domain VI. Domains IV and VI are the binding sites for collagen and heparan sulfate, respectively. Several isoforms have been identified for the genes of each chain. Laminin  $\gamma$ 1 (laminin B2) contains 14 glycosylation sites and 12 cysteine repeat domains. The expression of the Laminin subunits is found in the basal lamina of tissues. Here, the protein interacts with other extracellular matrix components to mediate cell attachment, migration and organization during embryonic development.

**Note:**

Protein G purified tissue culture supernatant.