10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-L1CAM (Extracellular) Antibody

Catalog # AN1830

Product Information

Application	WB, ICC, IP
Primary Accession	P32004
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Clone Names	M023
Calculated MW	140003

Additional Information

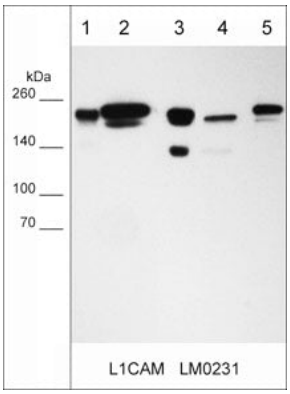
Gene ID	3897
Other Names	Neural cell adhesion molecule L1, N-CAM-L1, CD171, L1CAM, CAML1, MIC5
Target/Specificity	The basal lamina contains Collagen Type IV, proteoglycans, and glycoproteins. Laminin is a high molecular weight (850 kDa) oligomer, consisting of three different chains (α, β, and γ) joined 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 γ1 (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.
Dilution	WB~~1:1000 ICC~~N/A IP~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-L1CAM (Extracellular) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

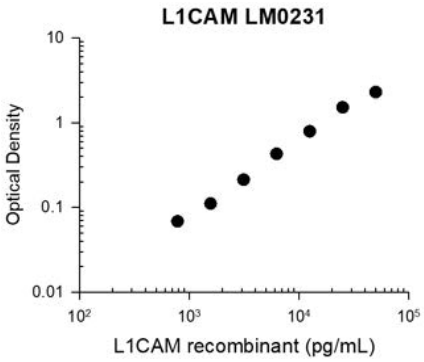
The basal lamina contains Collagen Type IV, proteoglycans, and glycoproteins. Laminin is a high molecular weight (850 kDa) oligomer, consisting of three different chains (α, β, and γ) joined by disulfide bonds. The structure of laminins include two helical domains (I & II) at the COOH-terminal, a laminin 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 γ1 (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.

Images



Immunocytochemical labeling of L1CAM in paraformaldehyde fixed human MeWo cells. The cells were labeled with mouse monoclonal anti-L1CAM (AN1830). The antibody was detected using goat anti-mouse Ig DyLight® 594.



Representative Standard Curve using mouse monoclonal antiL1CAM (AN1830) for ELISA capture of human recombinant L1CAM protein with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.