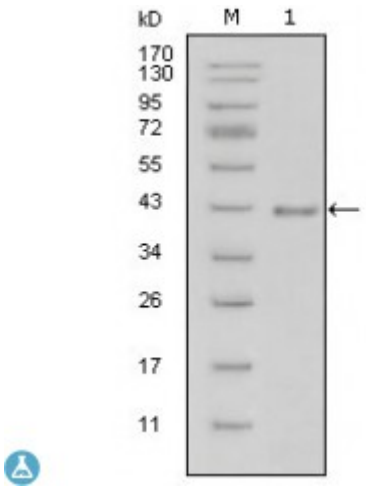
Anti-Laminin beta-1 antibody



Description	Mouse monoclonal to Laminin beta-1.

Model	STJ98214
Host	Mouse
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Purified recombinant fragment of Laminin beta-1 (aa31-270) expressed in E. Coli.
Immunogen Region	31-270 aa
Gene ID	3912
Gene Symbol	LAMB1
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000ELISA 1:10000
Specificity	Laminin beta-1 Monoclonal Antibody detects endogenous levels of Laminin beta-1 protein.
Purification	Affinity purification
Clone ID	2D9G5
Note	For Research Use Only (RUO).
Protein Name	Laminin subunit beta-1 Laminin B1 chain Laminin-1 subunit beta Laminin-10 subunit beta Laminin-12 subunit beta Laminin-2 subunit beta Laminin-6 subunit beta Laminin-8 subunit beta
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG2a
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6486OMIM:150240
Alternative Names	Laminin subunit beta-1 Laminin B1 chain Laminin-1 subunit beta Laminin-10 subunit beta Laminin-12 subunit beta Laminin-2 subunit beta Laminin-6 subunit beta Laminin-8 subunit beta
Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. Involved in the organization of the laminar architecture of cerebral cortex. It is probably required for the integrity of the basement membrane/glia limitans that serves as an anchor point for the endfeet of radial glial cells and as a physical barrier to migrating neurons. Radial glial cells play a central role in cerebral cortical development, where they act both as the proliferative unit of the cerebral cortex and a scaffold for neurons migrating toward the pial surface.
Sequence and Domain Family	The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure.; Domains VI and IV are globular.
Cellular Localization	Secreted, extracellular space, extracellular matrix, basement membrane. Major component.