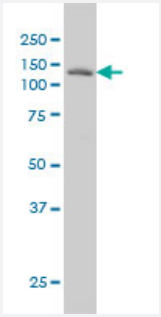
LAMB3 monoclonal antibody (M01), clone 2G10

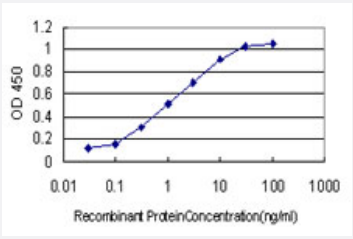
Catalog # H00003914-M01 Size 100 ug

Applications



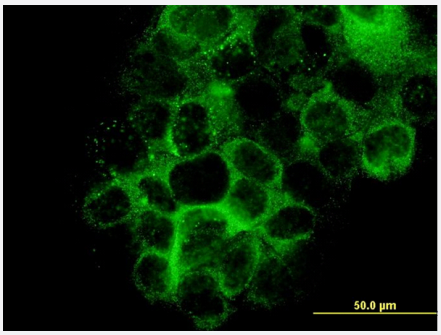
Western Blot (Cell lysate)

LAMB3 monoclonal antibody (M01), clone 2G10 Western Blot analysis of LAMB3 expression in A-431 (Cat # L015V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LAMB3 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to LAMB3 on A-431 cell. [antibody concentration 10 ug/ml]

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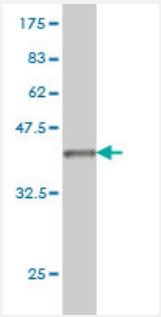

Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LAMB3.
Immunogen	LAMB3 (NP_000219, 1064 a.a. ~ 1171 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AEGASEQALSAQEGFERIKQKYAELKDRLGQSSMLGEQGARIQSVKTEAEELFGETMEMMDRMKDMELELLRGSQAIMLRSADLTGLEKRVEQIRDHINGRVLYYATC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (86)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  LAMB3 monoclonal antibody (M01), clone 2G10 Western Blot analysis of LAMB3 expression in A-431 (Cat # L015V1).

  Protocol Download

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- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged LAMB3 is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to LAMB3 on A-431 cell. [antibody concentration 10 ug/ml]

Gene Info — LAMB3

Entrez GeneID	3914
GeneBank Accession#	NM_000228
Protein Accession#	NP_000219
Gene Name	LAMB3
Gene Alias	BM600-125KDA, FLJ99565, LAM5, LAMNB1
Gene Description	laminin, beta 3
Omim ID	150310 226650 226700
Gene Ontology	Hyperlink
Gene Summary	The product encoded by this gene is a laminin that belongs to a family of basement membrane pr oteins. This protein is a beta subunit laminin, which together with an alpha and a gamma subunit, f orms laminin-5. Mutations in this gene cause epidermolysis bullosa junctional Herlitz type, and ge neralized atrophic benign epidermolysis bullosa, diseases that are characterized by blistering of t he skin. Multiple alternatively spliced transcript variants that encode the same protein have been f ound for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000034555|OTTHUMP00000034640|kalinin B1 chain|kalinin-140kDa|laminin B1k c hain|laminin S B3 chain|laminin, beta 3 (nicein (125kD), kalinin (140kD), BM600 (125kD))|nicein-125kDa

Publication Reference

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- Clinical significance of LAMB3 and COL7A1 mRNA in esophageal squamous cell carcinoma.

  Kita Y, Mimori K, Tanaka F, Matsumoto T, Haraguchi N, Ishikawa K, Matsuzaki S, Fukuyoshi Y, Inoue H, Natsugoe S, Aikou T, Mori M.

  European Journal of Surgical Oncology 2008 Mar; 35(1):52.

  Application: IHC-P, WB-Ti, Human, Human esophageal cancer

Pathway

- ECM-receptor interaction
- Focal adhesion
- Pathways in cancer
- Small cell lung cancer

Disease

- Genetic Predisposition to Disease
- Macular Degeneration
- Uterine Cervical Neoplasms

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