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Anti-Laminin-2 LG5 [C3_Hu10] Bulk Size Ab03278-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: C3_Hu10

Alternative Name(s) of Target: Merosin; Laminin subunit alpha-2; LAMA2; Laminin 211; laminin G-like 5 domain; LG5; g-like 4 and 5 domain; LG-4/5; Laminin M chain; Laminin-12 subunit alpha; Laminin-2 subunit alpha; Laminin-4 subunit alpha; Merosin heavy chain; C3; humanized C3

UniProt Accession Number of Target Protein: P24043; Q60675

Published Application(s): WB, ELISA, FC, IF

Published Species Reactivity: Human, Mouse

Immunogen: The original antibody was generated by immunizing Balb/c and Trianni mice with human laminin-2 LG5 domain. Humanized version was generated by grafting CDRs of parental mouse antibody C3 onto human framework regions.

Specificity: This antibody recognizes human and mouse laminin-2 LG5 and LG4/5 domain. Laminin is a large extracellular heterotrimeric glycoprotein and a major constituent of the basement membrane. It is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.

Application Notes: The binding specificity of this antibody for human and mouse laminin-2 LG5 was confirmed using ELISA. This antibody is capable of detecting human and mouse LG-4/5 expressed on HEK293 in a flow cytometry. This antibody can also be used for the identification recombinant human laminin-2 (Hu 211), murine LG-5 (mLG5), human LG-5 (hLG5), and human LG-4/5 (hLG4/LG5) in a western blot. This antibody was also used for the immunofluorescent staining of unfixed human and mouse muscle tissues. This antibody was used in combination with anti-laminin-2 antibody AS30_Hu6 to generate a duobody called TBTI (US11254737).

Antibody First Published in: PMID:

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In:

PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.