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Datasheet for 600-406-116

# Laminin Antibody Biotin Conjugated

## Overview

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| **Description:** | Anti-Laminin (RABBIT) Antibody Biotin Conjugated - 600-406-116 |
| **Item No.:** | 600-406-116 |
| **Size:** | 100 µg |
| **Reactivity:** | Human |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | Anti-Laminin (biotin conjugated) detects laminin. The biotin conjugation makes anti-laminin antibody suitable for use with streptavidin detection systems. Laminins are an important and biologically active part of the basal lamina, influencing cell differentiation, migration, adhesion as well as phenotype and survival. The laminins are a family of glycoproteins that are an integral part of the structural scaffolding in almost every tissue of an organism. They are secreted and incorporated into cell-associated extracellular matrices. Defective laminins can cause muscles to form improperly, leading to a form of muscular dystrophy, lethal skin blistering disease and defects of the kidney filter. Anti-Laminin Antibody is ideal for investigators involved in Cell Signaling and Signal Transduction research. |
| **Synonyms:** | rabbit anti-Laminin antibody biotin conjugation, biotin conjugated rabbit anti-Laminin antibody, LAMA1 antibody, LAMB1 antibody, Laminin A chain antibody, Laminin alpha 1 antibody, Laminin alpha 1 chain antibody, Laminin B1 chain antibody, Laminin subunit beta 1 antibody |
| **Host Species:** | Rabbit |
| **Conjugate:** | Biotin |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | LAMA1/LAMB1 |
| **Reactivity:** | Human |
| **Immunogen Type:** | Native Protein |

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| **Immunogen:** | Non-reduced 400 kDa human laminin. Immunization occurred after purity assessment of native protein in non-reducing SDS-PAGE system. |
| **Purity/Specificity:** | Anti-Laminin has been prepared by immunoaffinity chromatography using immobilized human placental laminin followed by extensive cross-adsorption against human serum proteins and collagen and non-collagen extracellular matrix proteins to remove any unwanted specificities. Typically less than 1% cross-reactivity against other extracellular matrix proteins was detected by ELISA against purified standards. This antibody reacts with most mammalian Laminins and has negligible cross-reactivity with Type I, II, III, IV, V or VI Collagens or Fibronectin. Non-specific cross-reaction of anti-Laminin antibodies with other human serum proteins or non-Laminin extracellular matrix proteins is negligible. |
| **Relevant Links:** | • UniProtKB - P25391<br>• NCBI - AAA59486.1<br>• UniProtKB - P07942<br>• GeneID - 3912 |

## Application Details

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| **Application Note:** | Anti-Laminin biotin conjugated antibody is suitable for western blotting, IHC, IP and for ELISA and for use with streptavidin reporter reagents. Researchers should determine optimal titers for applications that are not stated below. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:20,000 - 1:100,000 |
| **IHC:** | 1:1,000 - 1:5,000 |
| **IP:** | 1:100 |
| **WB:** | 1:2,000 - 1:10,000 |

## Formulation

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| **Physical State:** | Lyophilized |
| **Concentration:** | 1.0 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.01% (w/v) Sodium Azide |
| **Stabilizer:** | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| **Reconstitution Volume:** | 100 µL |

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| **Reconstitution Buffer:** | Restore with deionized water (or equivalent) |

## Shipping & Handling

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| **Shipping Condition:** | Ambient |
| **Storage Condition:** | Store vial at 4° C prior to restoration. Restore with 1.0 mL of deionized water (or equivalent). For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Disclaimer

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