

Datasheet for ABIN5659997 **WNT10B CLIA Kit**



[Go to Product page](#)

Overview

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| Quantity: | 96 tests |
| Target: | WNT10B |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 312.5 pg/mL - 20000 pg/mL |
| Minimum Detection Limit: | 312.5 pg/mL |
| Application: | ELISA |

Product Details

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| Sample Type: | Cell Lysate, Plasma, Serum, Tissue Homogenate |
| Analytical Method: | Quantitative |
| Detection Method: | Chemiluminescent |
| Specificity: | This assay has high sensitivity and excellent specificity for detection of Wingless Type MMTV Integration Site Family, Member 10B (WNT10B). No significant cross-reactivity or interference between Wingless Type MMTV Integration Site Family, Member 10B (WNT10B) and analogues was observed. |
| Sensitivity: | 11.88 pg/mL |

Target Details

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| Target: | WNT10B |
| Alternative Name: | Wingless Type MMTV Integration Site Family, Member 10B (WNT10B Products) |

Target Details

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| Background: | Gene Name: Wingless Type MMTV Integration Site Family, Member 10B Gene Aliases: WNT-12, SHFM6 |
| Gene ID: | 7480 |
| UniProt: | O00744 |
| Pathways: | WNT Signaling, Skeletal Muscle Fiber Development |

Application Details

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| Comment: | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5 % within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |
| Assay Time: | 2 - 3 h |
| Plate: | Pre-coated |
| Protocol: | The microplate provided in this kit has been pre-coated with an antibody specific to Wingless Type MMTV Integration Site Family, Member 10B (WNT10B). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Wingless Type MMTV Integration Site Family, Member 10B (WNT10B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Wingless Type MMTV Integration Site Family, Member 10B (WNT10B) level in the sample or standard., |
| Assay Precision: | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Wingless Type MMTV Integration Site Family, Member 10B (WNT10B) were tested 20 times on one plate, respectively Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Wingless Type MMTV Integration Site Family, Member 10B (WNT10B) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12% |
| Restrictions: | For Research Use only |

Handling

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| Handling Advice: | Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | -20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles. |
| Expiry Date: | 4-8 months |