













<b>Inconsistent absorbance across the plate</b>	<ul style="list-style-type: none"><li>. Plates stacked during incubations</li><li>. Pipetting inconsistent</li><li>. Antibody dilutions/Reagents not well mixed</li><li>. Wells allowed to dry out</li><li>. Inadequate washing</li><li>. Bottom of the plate is dirty affecting absorbance readings</li></ul>	<ul style="list-style-type: none"><li>. Stacking of plates does not allow distribution of temperature across the wells of the plates. Avoid stacking</li><li>. Ensure pipettes are working correctly and are calibrated. Ensure pipette tips are pushed on far enough to create a good seal. Take particular care when diluting down the plate and watch to make sure the pipette tips are all picking up and releasing the correct amount of the liquid. This will greatly affect the consistency of results between duplicate wells</li><li>. To ensure a correct dilution of samples/standards across wells, ensure that all the reagents and samples are mixed before pipetting onto the plate</li><li>. Ensure that plates are well sealed with film when incubating. Place a humidifying water tray (bottled clean/sterile water) on the bottom of the incubator</li><li>. This will lead to some wells not being washed well as others, leaving inside different amounts of unbound antibody, which will give inconsistent results</li><li>. Clean the bottom of the plate carefully before re-reading the plate</li></ul>
<b>Color developing slowly</b>	<ul style="list-style-type: none"><li>. Plates are not at the correct temperature</li><li>. Secondary Antibody too weak staining</li><li>. Contamination of solutions</li></ul>	<ul style="list-style-type: none"><li>. Ensure plates are at room temperature and that the reagents are at room temperature before use</li><li>. Prepare the substrate solutions immediately before use. Ensure that the stock solutions are in date and have been stored correctly, and are being used at the correct concentration. Ensure the reagents are used as directed</li><li>. Presence of contaminants, such as sodium azide and peroxides can affect the substrate reaction. Avoid using reagents containing these preservatives</li></ul>
<b>Poor Standard Curve</b>	<ul style="list-style-type: none"><li>. Inaccurate pipetting</li><li>. Improper standards and samples preparation</li><li>. Improper washings</li></ul>	<ul style="list-style-type: none"><li>. Check pipettes and increase attention</li><li>. Ensure to reconstitute standards in a proper buffer and mixing thoroughly by vortexing and gentle pipetting.</li><li>. Wash thoroughly as recommended in the assay procedure. Wash for longer time after incubation with the HRP-conjugated secondary antibody</li></ul>
<b>Low signals</b>	<ul style="list-style-type: none"><li>. Low signals in standards due to improper storage or preparation</li><li>. Low signals in samples due to low exosome concentration</li></ul>	<ul style="list-style-type: none"><li>. Ensure to store reconstituted standards at -20°C and strictly avoid thaw and freeze cycles. Assure that standards are properly reconstituted and standard dilutions are prepared as suggested in the data sheet</li><li>. Check out the sample preparation protocols</li></ul>
<b>Low reproducibility of duplicates</b>	<ul style="list-style-type: none"><li>. Inaccurate pipetting</li><li>. Improper standards and samples preparation</li></ul>	<ul style="list-style-type: none"><li>. Check the pipettes and be careful with pipetting</li><li>. Ensure to mix thoroughly by vortexing and gentle pipetting before loading onto wells</li></ul>

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