**Fig 4**

**A**

Integrated density value (x10^4)

<table>
<thead>
<tr>
<th></th>
<th>PBEF</th>
<th>β-actin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>siRNA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>scRNA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**B**

Integrated density value (x10^4)

- TNFα

- Control
- siRNA
- scRNA

+ TNFα

- Control
- siRNA
- scRNA

**Notes:**

- **PBEF** represents the protein of interest.
- **β-actin** serves as a loading control.
- The integrated density value is measured and compared across different treatments.
- **Control** treatment is positive control.
- **siRNA** and **scRNA** treatments are experimental groups.

**Statistical Significance:**

- **** indicates statistical significance.

**Graph Details:**

- Y-axis: Integrated density value (x10^4)
- X-axis: Treatment groups (-TNFα and +TNFα)
**C**

<table>
<thead>
<tr>
<th></th>
<th>- TNFα</th>
<th>+ TNFα</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
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<tr>
<td>Si</td>
<td></td>
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</tr>
<tr>
<td>Sc</td>
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</tr>
</tbody>
</table>

- PBEF
- β-actin

**D**

Integrated density value (x10^4)

- Control
- siRNA
- scRNA

- TNFα
- +TNFα