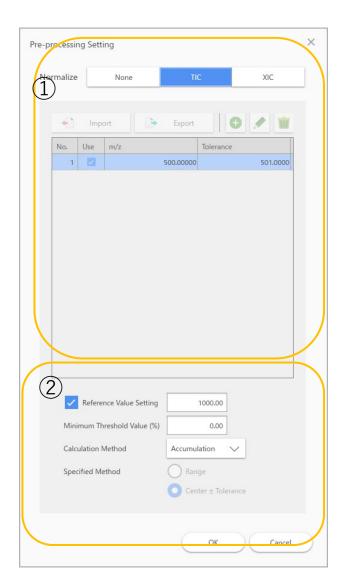# When the normalization results seem incorrect

Normalization is not division.

- In IMAGEREVEAL MS, normalization is defined as follows:
  - Adjust the intensity values within the specified m/z range at each measurement point to a specific reference value.
    - Therefore, the intensity values after normalization can be either larger or smaller depending on the normalization settings.

Pre-processing (Normalization) Settings

① Set the m/z range for normalization.
  - None: No normalization.
  - TIC: Adjust the sum of signal intensity values over the entire m/z range at each measurement point to the reference value.
  - XIC: Adjust the sum of signal intensity values within the specified m/z range to the reference value.
    - Add the m/z range to the table below.

② Set the reference value.
  - This reference value is used as the maximum intensity of the spectral profile in the entire dataset after normalization.
    - No input: 1,000,000

- For other parameters, please refer to the manual.