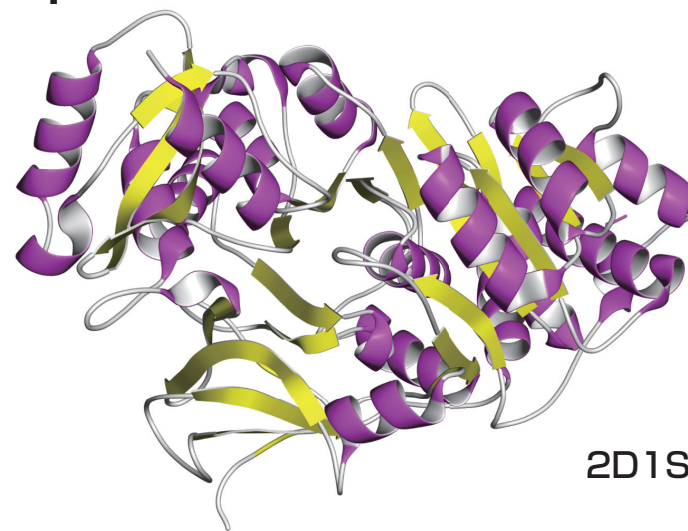


タンパク質分析のソリューション

多様なタンパク質評価システム

— JASCO various systems for Protein sample evaluation —

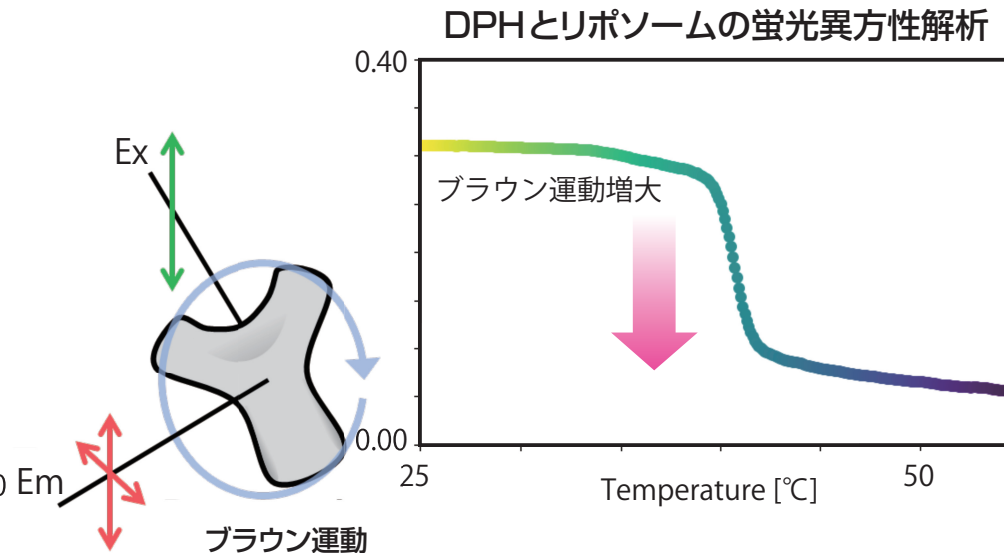
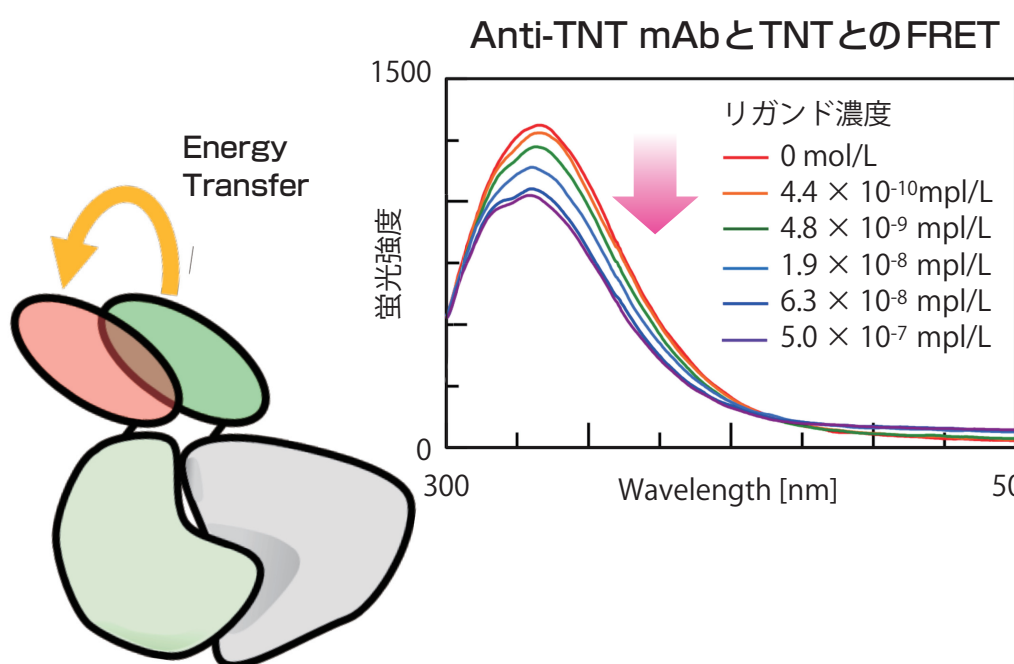
分光分析, クロマトグラフの総合分析機器メーカー
Jascoがタンパク質分析を幅広くサポート



レセプター・リガンドの相互作用解析

FRET (蛍光共鳴エネルギー移動)

蛍光異方性

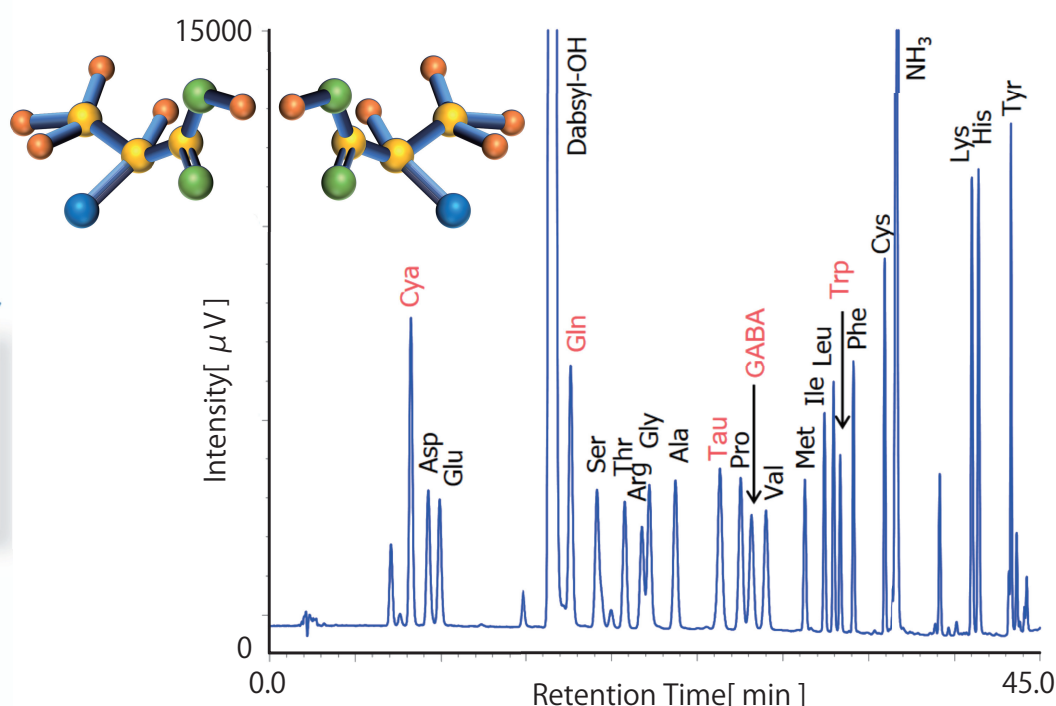


微量分析

タンパク質・DNAの1滴測定

タンパク質のアミノ酸組成分析

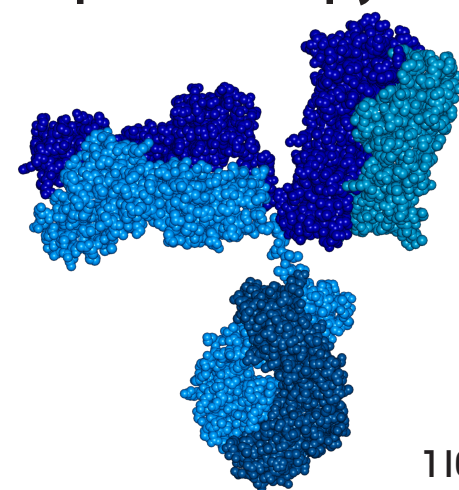
DAB-Label誘導体化高速分析



JASCO

最先端振動分光システム

- 固体・高濃度タンパク質溶液の高次構造解析
- 微量・微小試料の測定
- イメージング測定



フーリエ変換赤外分光光度計

Figure 1 displays two images of a protein crystal, comparing the original sample image (left) with the Secondary Structure Element (SSE) image (right).

The left image, labeled "Sample Image", shows the crystal structure. The axes are labeled $X [\mu\text{m}]$ (0 to 1000) and $Y [\mu\text{m}]$ (0 to 1000).

The right image, labeled "SSE Image", shows the crystal structure with color-coded regions representing different secondary structure elements. The axes are labeled $X [\mu\text{m}]$ (0 to 1500) and $Y [\mu\text{m}]$ (0 to 1000). The color scale indicates:

- Red : α -Helix
- Green : β -sheet

ラマン分光光度計



1GFL **6EZW**



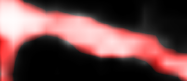
細胞壁

核

20μm

A Raman spectrum plot showing Intensity (Int.) on the y-axis and Raman Shift [cm⁻¹] on the x-axis. The x-axis ranges from 3500 to 1500 cm⁻¹. The spectrum shows several characteristic peaks labeled with arrows:

- CH伸縮** (CH stretching): A peak around 2900 cm⁻¹.
- 785nm励起** (785nm excitation): A label in blue text near the baseline.
- アミド I** (Amide I): A sharp peak around 1650 cm⁻¹.
- CH変角** (CH bending): A peak around 1550 cm⁻¹.
- アミド III** (Amide III): A peak around 1450 cm⁻¹.
- Try, Phe** (Tryptophan, Phenylalanine): A peak around 1370 cm⁻¹.
- S-S結合の可能性** (S-S bond possibility): A peak around 500 cm⁻¹.



染色した玉ねぎ表皮細胞の近赤外励起 ラマンイメージ