

ZipChip

Charge Variant Analysis

Many current mAb characterization techniques either provide high-resolution charge variant separations or mass spec data. Not both. This makes identification of mAb variants difficult.

No more either/or

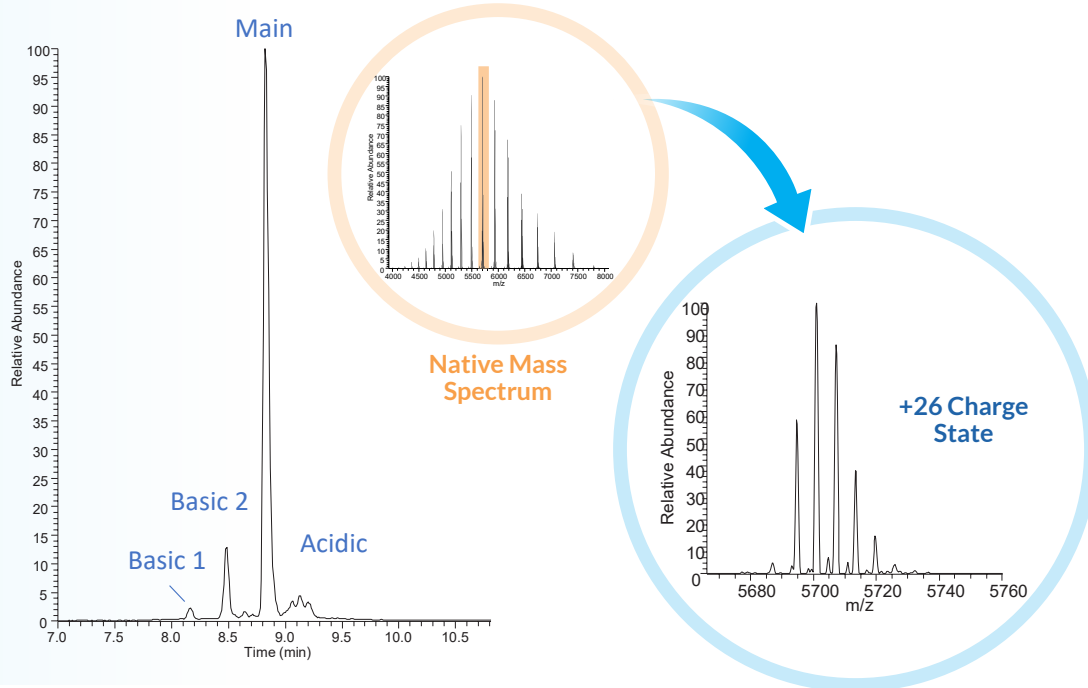
ZipChip® can perform high-resolution charge variant separations of intact antibodies backed by the power of Native-MS characterization. In a single run you can get mass information, assess charge heterogeneity, characterize glycoforms, identify basic and acidic variants, and more. The added layer of mass spec information means you can finally pinpoint the identity of each peak.

Get the unfair advantage

When compared to traditional methods for charge variant analysis of antibodies, ZipChip separates more and allows mass spec identification for each charge variant.

	Charge Variant Separation	MS Compatible	Charge Variant Masses	Charge Variant ID
ZipChip	★★★★★	★★★★★	★★★★★	★★★★★
Isoelectric focusing	★★★★★	×	×	★★
CE (UV)	★★★★★	×	×	★★
RPLC-MS	★	★★★★★	★★	★★

Charge variant analysis of NIST mAb



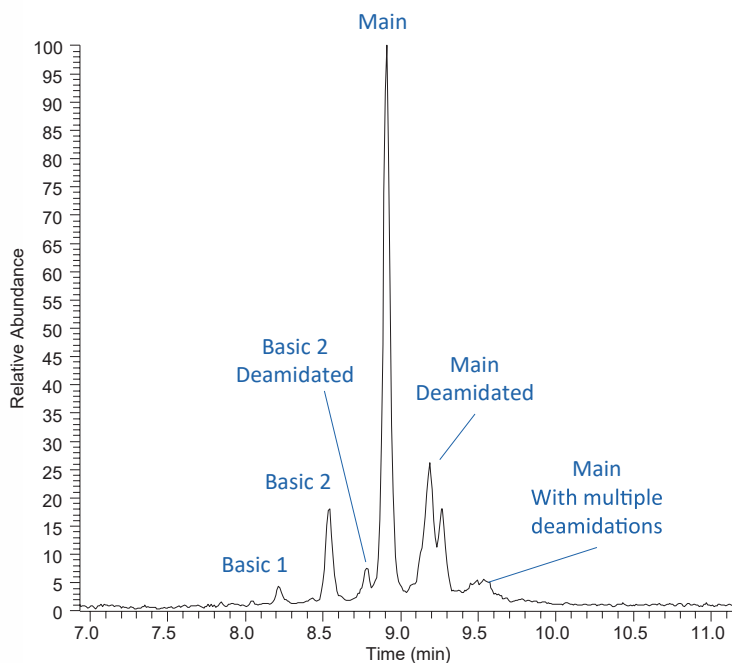
Charge variant analysis of NIST mAb stressed at pH 8 for 72 hours

Kit Type:
Native Antibody

Chip Type:
ZipChip HRN

Sample Prep:
Dilution from formulation. Buffer exchange may be necessary

MS Type:
Thermo Scientific Orbitraps with Biopharma or EMR options



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