



# NULISAqpcr™ AD 5-plex Assay



This innovative panel provides **absolute quantitation** of established amyloid- $\beta$ -tau-neurodegeneration (ATN) & neuroinflammatory (I) biomarkers in a single multiplexed assay.

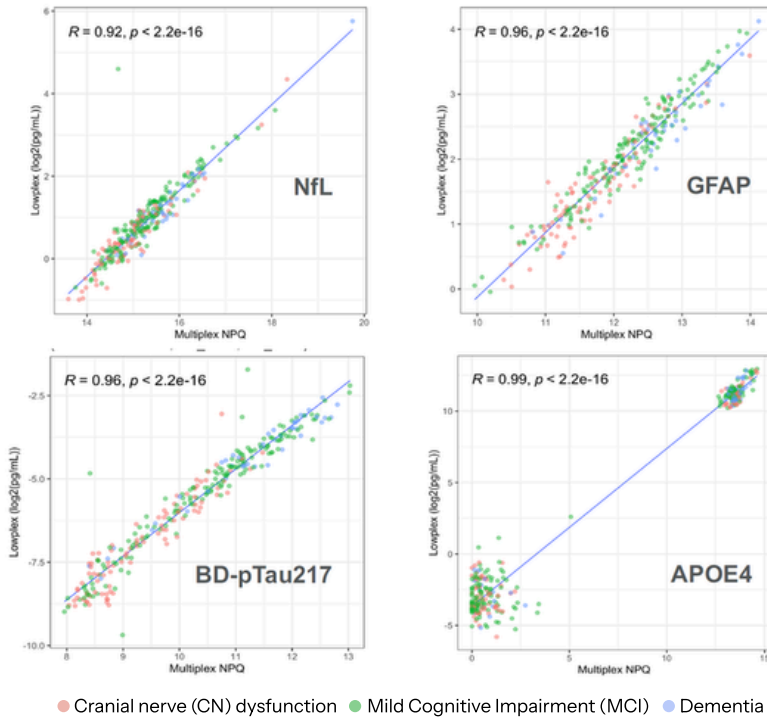
| Biomarker                    | Biological Relevance  | Applications   |
|------------------------------|---|--|
| <b>APOE4</b>                 | The strongest known inherited genetic risk factor for late-onset AD and ARIA  | <ul style="list-style-type: none"> <li>Determine APOE carrier status</li> <li>Stratify patients &amp; personalize interventions</li> </ul>     |
| <b>BD-pTau217</b>            | Elevated levels reflect the presence of tau tangles, which are a defining feature of Alzheimer's disease pathology        | <ul style="list-style-type: none"> <li>Early disease detection</li> <li>Longitudinal monitoring of disease dynamics</li> </ul>                 |
| <b>A<math>\beta</math>42</b> | Reduced levels in blood associate with increased A $\beta$ plaque in the brain, an early indicator of disease development | <ul style="list-style-type: none"> <li>Track disease progression</li> <li>Monitor response to amyloid-targeting therapies</li> </ul>           |
| <b>GFAP</b>                  | Elevated levels indicate astroglial activation which can amplify neuroinflammatory processes in AD and related disorders  | <ul style="list-style-type: none"> <li>Understand neuroimmune interactions</li> <li>Evaluate glial involvement in neurodegeneration</li> </ul> |
| <b>NfL</b>                   | Released into the blood when neurons are damaged or undergoing degeneration   | <ul style="list-style-type: none"> <li>Neuronal damage / disease monitoring</li> <li>Drug response monitoring</li> </ul>                       |

Enabling **integrated assessment** of dementia and neurodegeneration.

# NULISAqpcr™ AD 5-plex Assay demonstrates high correlation with:

## NULISAseq CNS Disease Panel 120

Consistent high sensitivity & specificity in disease detection



Screen, detect, diagnosis with one assay for robust monitoring of ATN&I biomarkers & determination of APOE carrier status

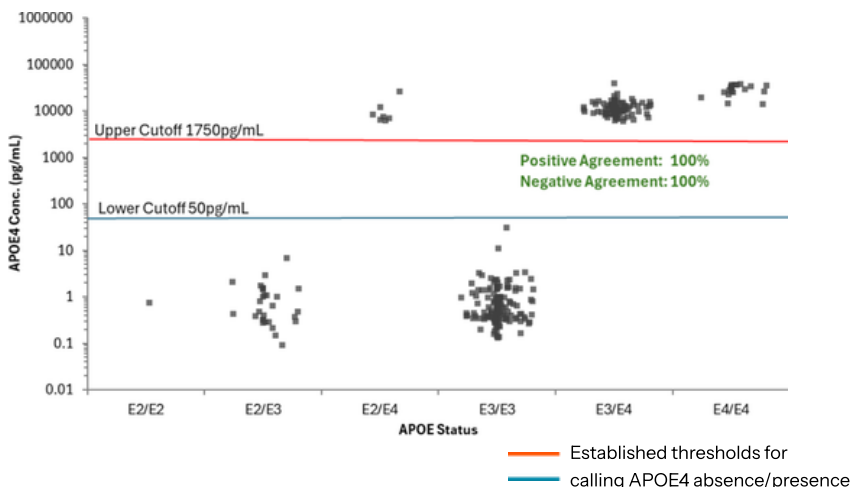
CNS specificity of markers in blood originating from the central nervous system

Rapid turnaround with simultaneous in-instrument measurements

To request the assay, visit [sapient.bio/nulisa](https://sapient.bio/nulisa) or contact us at [discover@sapient.bio](mailto:discover@sapient.bio).

## APOE4 Genotyping

5-Plex AD Panel APOE4 result vs. APOE4 genotyping



Discover more today.

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