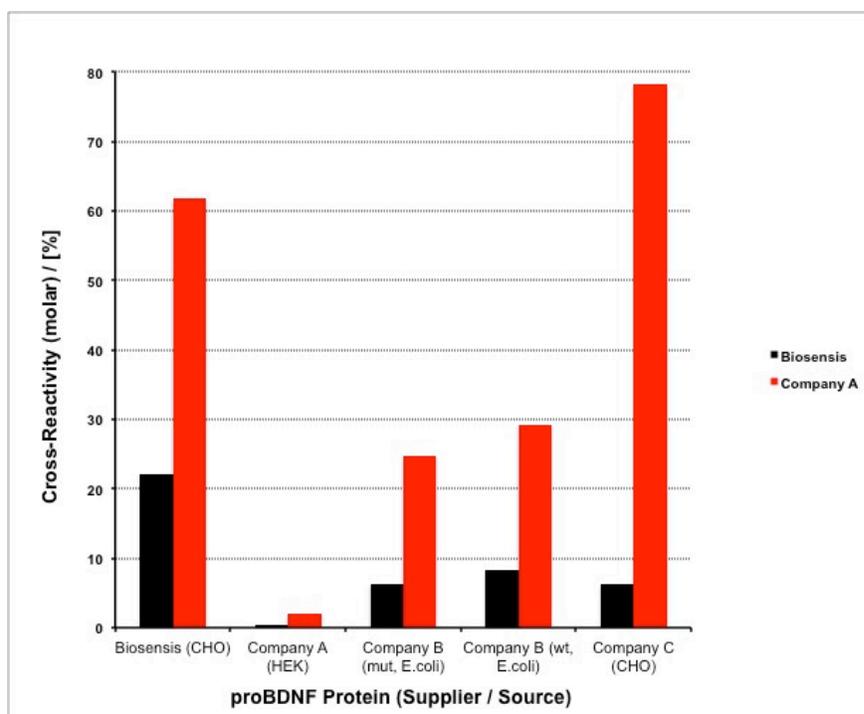


Mature BDNF Isoform Detection by ELISA - Why Choosing the Right Validation Method is Important

Dear Researcher,

Detection and quantification of protein isoforms by ELISA is challenging and requires careful validation and choice of assay antibodies. Mature BDNF is such example, as BDNF ELISA assays often cross-react with the full-length proBDNF isoform, or actual isoform preference has not been tested. Additionally, choosing an incorrect immunological technique to validate isoform detection may lead to false conclusions.

[Polacchini et al. \(2015\)](#) and [Sartori et al. \(2019\)](#) reported that the Biosensis [Mature BDNF Rapid™ ELISA](#) quantifies 'total BDNF', based on line blot experiments using the assay's detection antibody. We have therefore re-assessed our kit performance, and compared it to a competitor BDNF ELISA (Company A), claimed to be mature BDNF-specific in the very same publications.



Example data from our [Technical Note #5](#) showing ~4-fold higher molar cross-reactivity of proBDNF proteins from 5 different sources in Company A's BDNF ELISA assay (Red), as compared to the Biosensis Mature BDNF ELISA assay (Black).



Our [Technical Note #5](#) summarizes our findings and confirms our initial claims of preferential quantification of mature BDNF with our [Mature BDNF Rapid™ ELISA](#).

We are the original manufacturer of our popular *Rapid™* ELISA and perform extensive validation, and thus we have absolute control and confidence about their quality and performance. Take advantage of our Mad March Promotion and see for yourself!

Our special Mad March Promotion: Purchase a 2-plate [Rapid™ ELISA kit](#) and you can choose any 1-plate kit from our entire *Rapid™* ELISA range (includes our [Oligomeric Aβ ELISA](#) and our newest member, [α-Synuclein Rapid™ ELISA](#)). That's a gift worth \$398.50! Please send your order to sales@biosensis.com and quote **FREEKIT***.

**One order per customer, direct customers only. Valid until 30th April, 2020*