



Olink® Target 48 Neurodegeneration

Performance in mouse plasma and brain tissue

Samples and associated data from wild type and Alzheimer’s disease-model (APP/PS1) mice were obtained in collaboration with Dr. Fernanda De Felice at Queen’s University, Canada.

- The table below indicates proteins that were detected in mouse samples.
- Plasma: An average of 29 proteins were detected above blank (70.7%, range: 24–32 proteins).
- Hippocampus: An average of 31 proteins were detected above blank (75.6%, range: 30–32 proteins). Two additional proteins—GFAP and NEFL—were consistently above the upper limit of quantification (i.e., Hook).
- Plasma CV = 6.24%.

PROTEIN	EDTA PLASMA	HIPPOCAMPUS	PROTEIN	EDTA PLASMA	HIPPOCAMPUS
Abeta40	✓	✓	NEFL	✓	Hook
Abeta42	✓	✓	NGF	✓	✓
AGER	✓	✓	NLGN1	✓	✓
BACE1	ND	✓	NPTX1	✓	✓
BMP7	✓	✓	NPTX2	✓	✓
CLSTN3	✓	✓	NPTXR	✓	✓
DDAH1	✓	✓	OMG	✓	✓
DDC	✓	✓	pTau217	✓	✓
EIF2AK2	✓	✓	RTN4R	✓	✓
ENO2	✓	✓	SCG2	✓	✓
FOXO3	✓	✓	SDC4	✓	✓
GDNF	✓	✓	SMOC1	✓	ND
GFAP	✓	Hook	SNCAIP	✓	✓
GLRX	✓	✓	STX1B	✓	✓
HLA-DRA	✓	✓	SYT1	✓	✓
ITGAM	✓	✓	TP53	✓	✓
ITGB2	✓	ND	TREM1	✓	✓
KLK8	✓	ND	TREM2	ND	ND
LRRK2	✓	✓	VSNL1	✓	✓
MMP10	✓	✓	WWOX	✓	✓
MOG	ND	✓			

✓, detected; ND, not detected; Hook, concentration above the upper limit of quantification.

EDTA Plasma: n = 9; Hippocampus: n=7

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