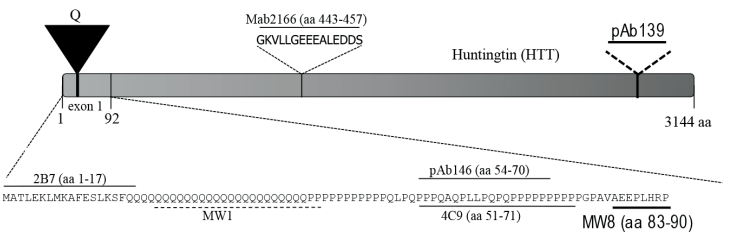
Huntingtin Detection Assay using the MSD® Assay Platform

charles river

CHDI

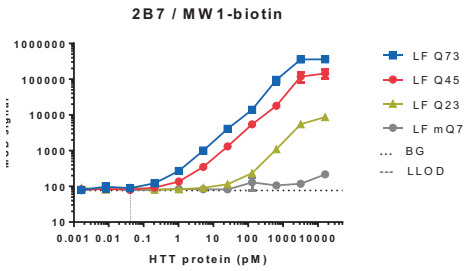
Assay design: antibody epitopes and capture/detection pairs

Capture/Detection Abs	Detected Protein
CHDI-90000146/ 2166-4C8	Total human HTT
CHDI-90000147/ 2166-4C8	Total mouse HTT
CHDI-90000139/ 2166-4C8	Full length expanded and WT HTT
2B7/ MW1-bio	Human and mouse expanded HTT
2B7/ 4C9-bio	Total human (exon 1-containing) HTT
MW8/ 4C9-bio	Aggregated human HTT

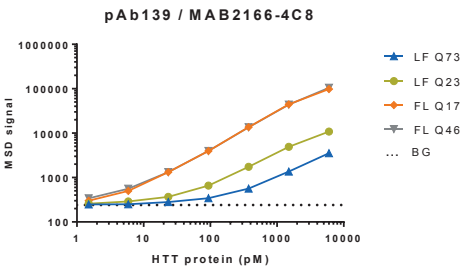


Validation data for specific HTT forms

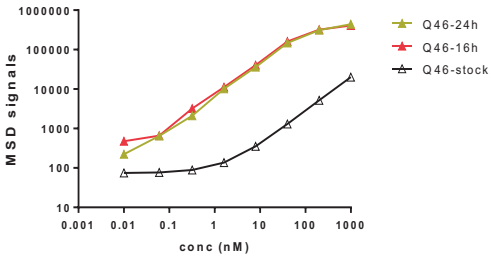
Detection of expanded over non-expanded aHTT



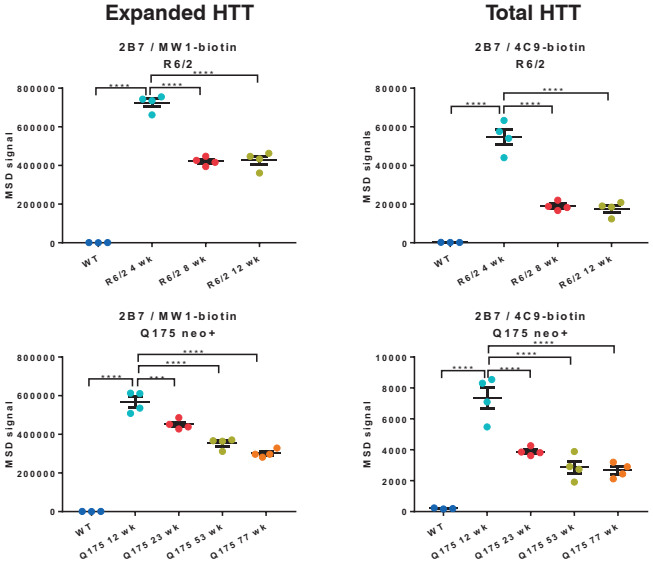
Detection of full-length over fragment HTT



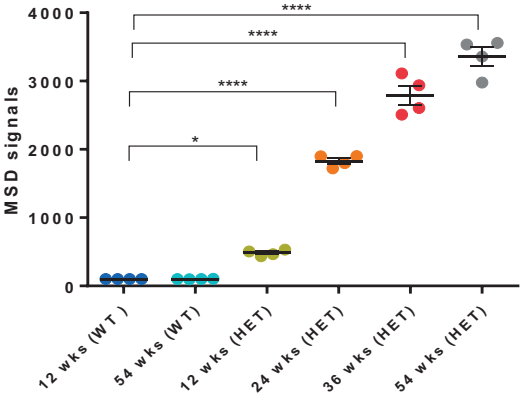
Detection of aggregated HTT



Age-dependent changes in soluble HTT levels in R6/2 and Q175 KI mice



Aggregated HTT levels in brain increased with age of the Q175 HET mice



Publications citing Charles River HTT Assay:

1) Miller et al. Sci Rep 2017; 7; 46740. PMC5402279

2) Macdonald et al. PLoS One 2014; https://doi.org/10.1371/journal.pone.0096854

3) Hensman Moss, D. J., et al. (2017). PLoS ONE 12(12): e0189891

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