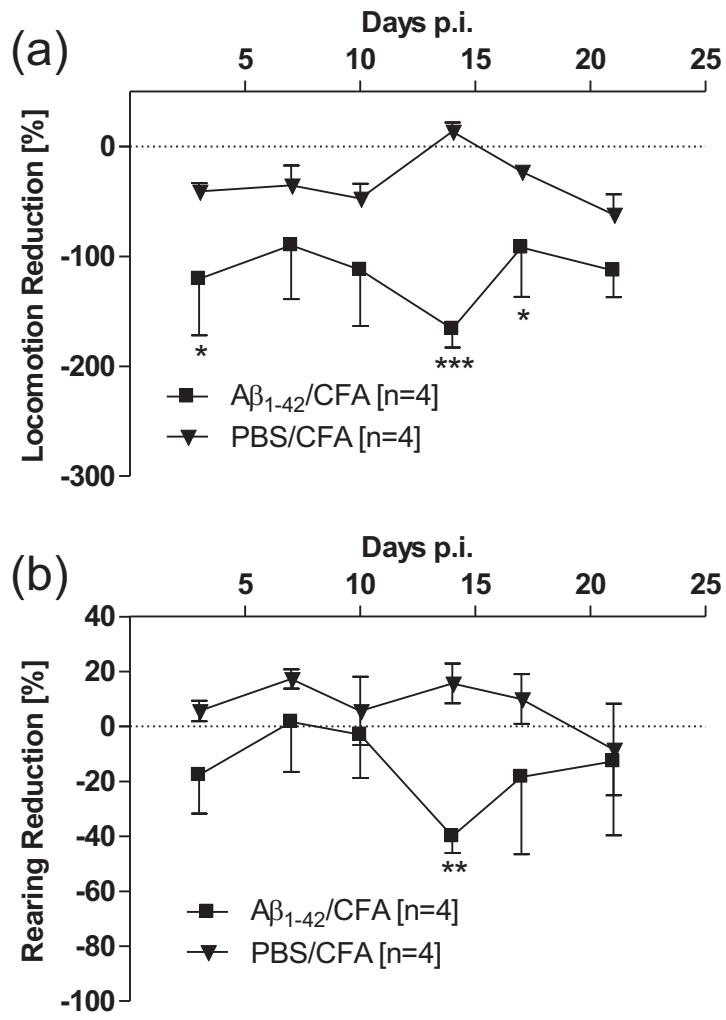


Supplementary Figure 1. Active immunization with A β 1-42 impairs psychomotor functioning in aged mice. Groups of 12 months-old female C57BL/6 mice (n = 4 per group) were immunized with PBS/CFA or A β 1-42/CFA and evaluated for locomotion (a) and explorative behavior as measured by rearing events (b) at different time points after immunization. Mean performances and SEM are illustrated for each group. (* p < 0.05, ** p < 0.01, *** p < 0.001).

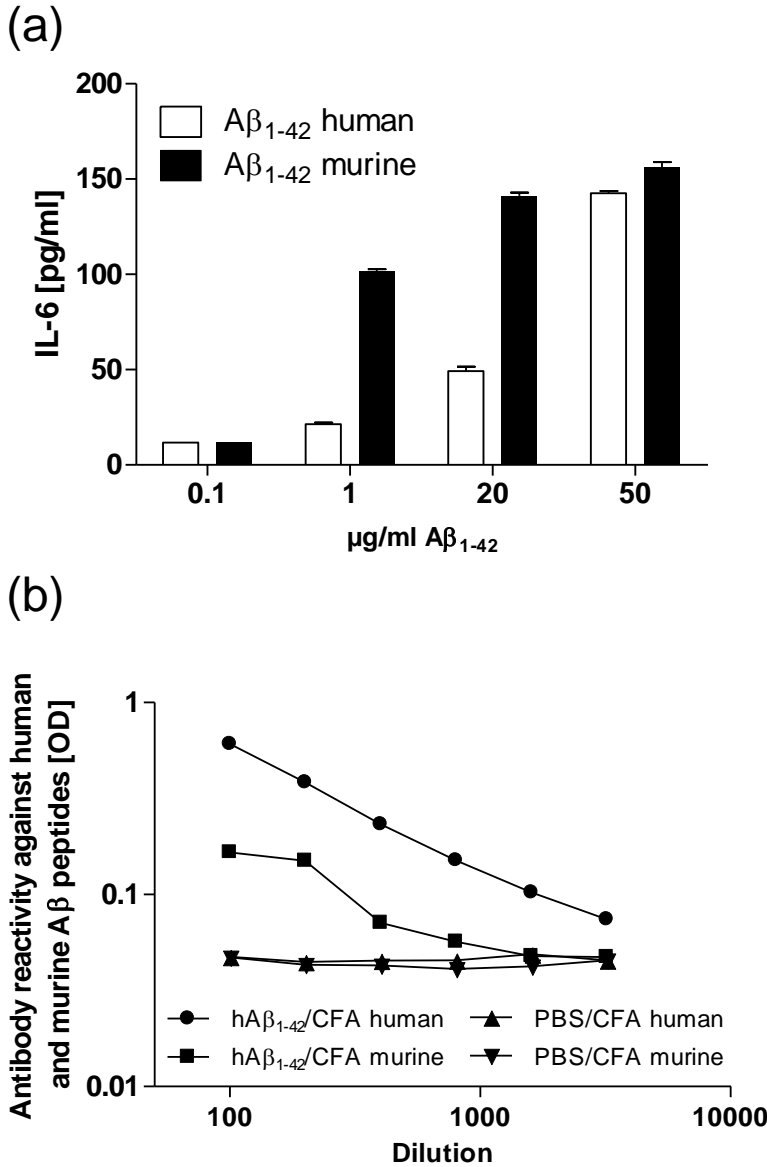
Supplementary Figure 2. Human and murine A β 1-42 peptides share similar stimulatory properties. (a) MACS purified CD11b+ macrophages from untreated wild-type mice were stimulated with different concentrations of murine or human A β 1-42 for 48 h. Levels of IL-6 were determined in the supernatants by ELISA. Both peptides induced the production of IL-6 in a concentration dependent manner. Mean cytokine concentrations plus SD are shown. Similar results were obtained in three independent experiments. (b) Antibodies against human and murine A β 1-42 peptides were determined in sera collected from mice 28 days after immunization with PBS/CFA or human A β 1-42/CFA. The respective mean OD for each serum dilution is depicted.

Supplementary Figure 3. Macrophage depletion by clodronate liposomes reduces the infiltration of blood-borne macrophages in A β 1-42/CFA-immunized animals. After completion of the behavioral task on day 10, mononuclear cells were isolated from the CNS of control treated (empty liposomes) and macrophage-depleted mice previously challenged with PBS/CFA or A β 1-42/CFA. Cells were analyzed by flow cytometry and representative cytograms and histograms are shown to illustrate the fractions of CD11b+CD45low cells (microglia) and CD11b+CD45high cells (macrophages) in control-treated (a) or macrophage-depleted (b) animals, respectively. Note that after macrophage depletion, resident microglial cells (CD11b+CD45low) and not blood-borne macrophages (CD11b+CD45high) constitute the majority of CD11b+ cells in the CNS of A β 1-42/CFA-immunized mice.

Supp. Fig 1.



Supp. Fig 2.



Supp. Fig 3.

