

Supplements:

Figure legends

Figure S1: L-Leucine uptake by Lat2 into *Xenopus laevis* oocytes and MDCK1 cells. **A**, uptake of 50 μ M L-Leu was measured after 10 min in Na⁺-free uptake buffer in *Xenopus laevis* oocytes co-expressing Lat2 and CD98 or non-injected oocytes. Data correspond to a representative experiment performed with 7 oocytes. **B**, uptake of 10 μ M L-Leu was measured after 10 min in Na⁺-free uptake buffer in Lat2 and CD98 stably transfected MDCK1 cells or non-transfected (control) cells. Data correspond to a representative experiment performed in triplicates.

Figure S2: Expression of Lat2 and CD98 in *Xenopus laevis* oocytes and MDCK1 cells. Oocytes were microinjected with cRNAs coding for Lat2, CD98 or both. Two days after expression cell lysates were prepared and analyzed by Western Blotting for Lat2 (**A**) and CD98 (**B**). The expression of both chains in lysates of co-transfected MDCK1 cells were analyzed for FLAG (**C**) and CD98 (**D**).

Figure S1

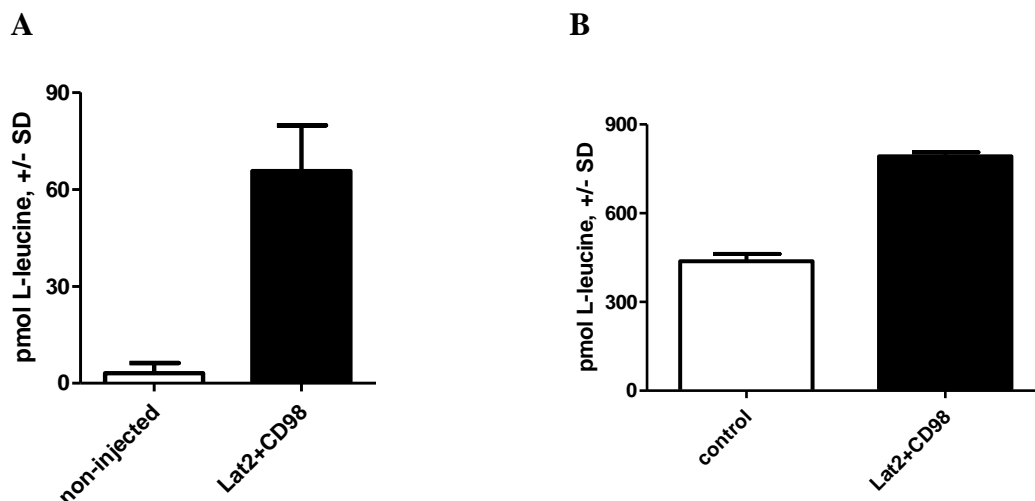
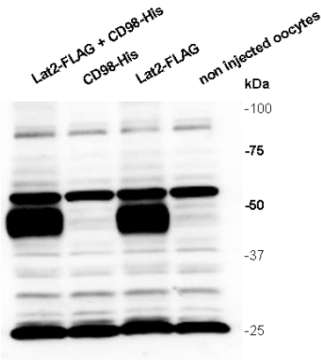
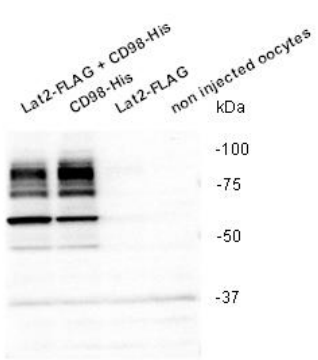


Figure S2

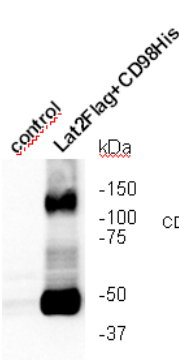
A



B



C



D

