

Supporting Information

Li et al. 10.1073/pnas.0913192107

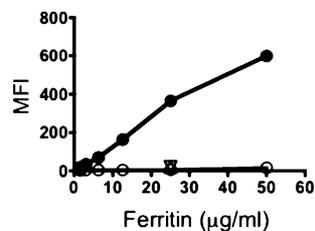


Fig. S1. Ba/F3 cells transduced with human transferrin receptor-1 (TfR1) bind H-ferritin (HfT; ●) but not L-ferritin (LfT; ○). As in Fig. 1, anti-TfR1 mAb blocks binding by HfT (Δ) but does not alter the lack of binding by LfT (∇).

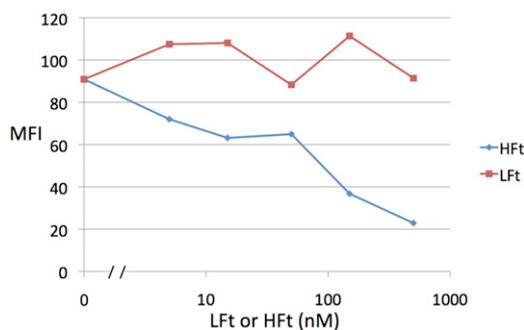


Fig. S2. Unconjugated HfT inhibits binding by biotinylated HfT (50 nM, detected by APC-streptavidin [blue line]) but unconjugated LfT does not (red line).

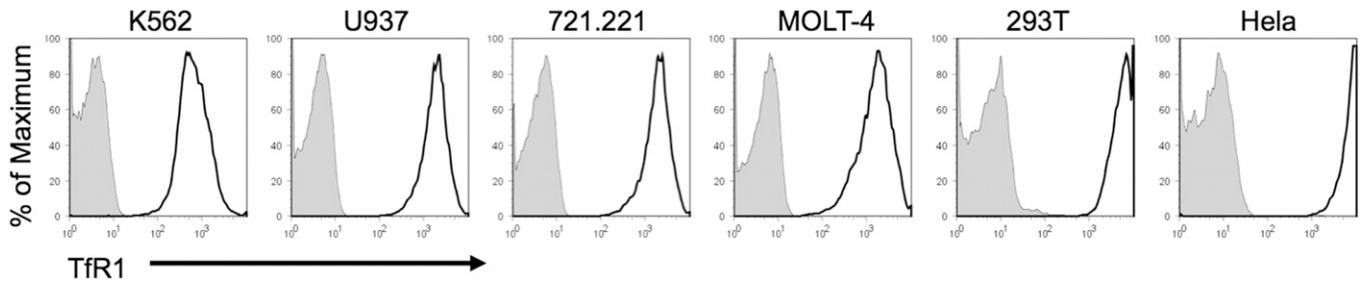


Fig. S4. Flow cytometric analysis of Tfr1 expression by different cell lines using anti-Tfr1 mAb (solid line) compared with isotype control (shaded).

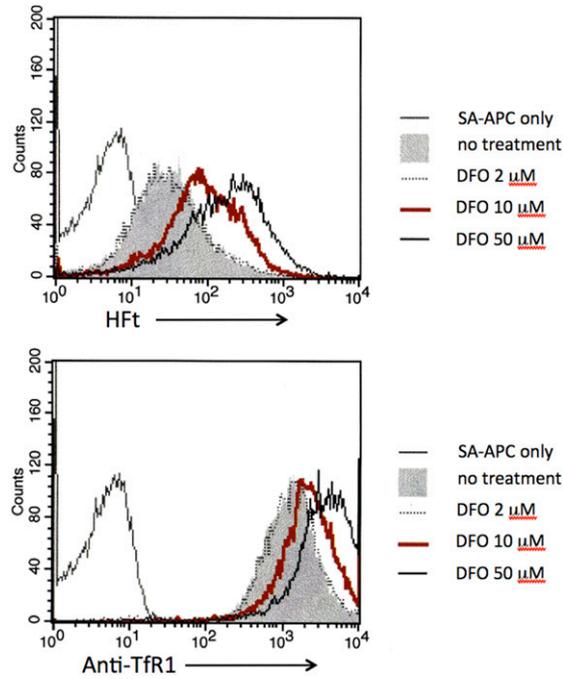


Fig. S5. The up-regulation of Tfr1 on K562 cells after chelation of iron is accompanied by increased binding of HfT. Upper shows levels of binding of HfT by K562 cells, assessed by flow cytometry, after 18 h incubation with desferrioxamine (DFO) at the concentrations indicated. Lower shows levels of expression of Tfr1 after the same treatment.