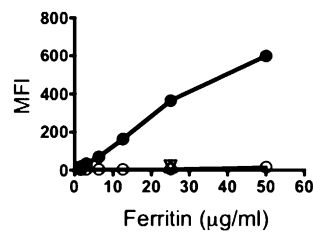
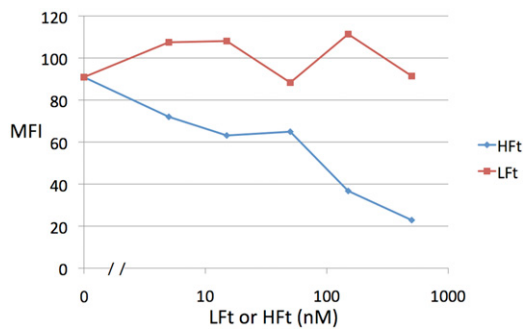


# Supporting Information

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**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 (△) 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).

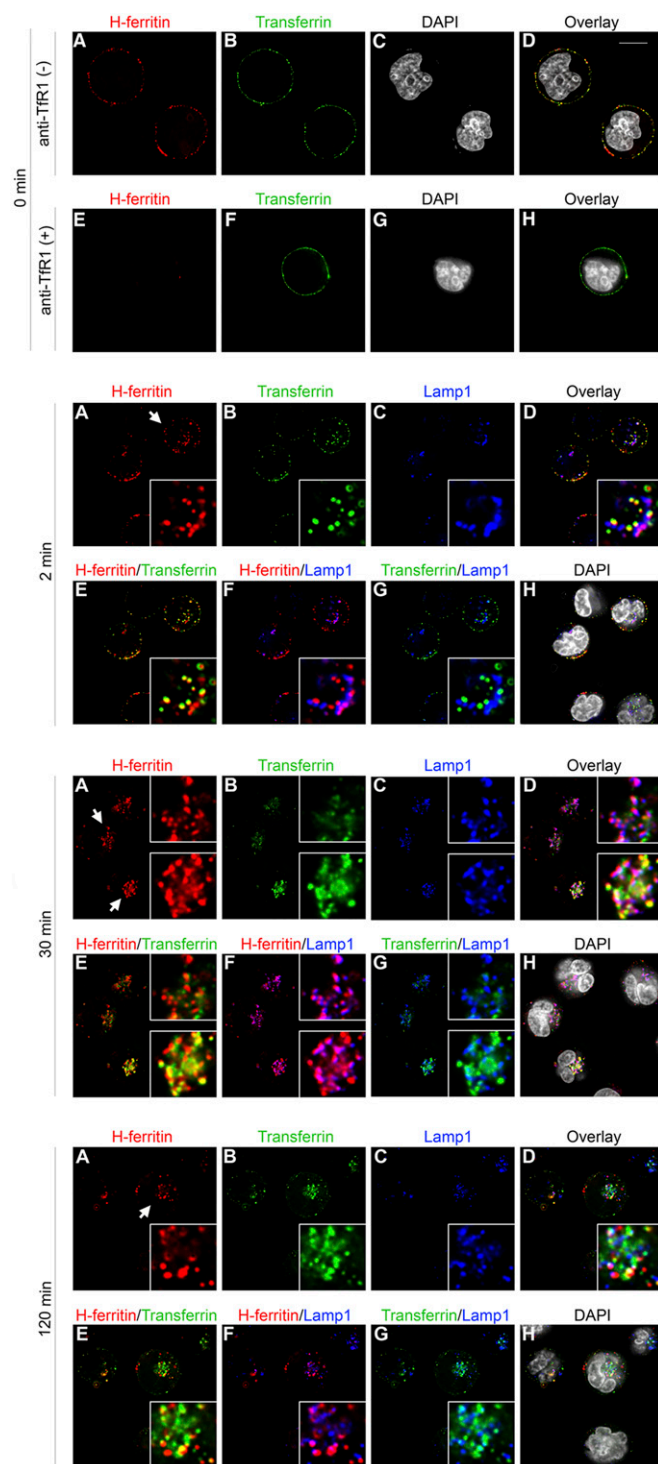


Fig. S3. Enlarged, high-resolution version of Fig. 3.

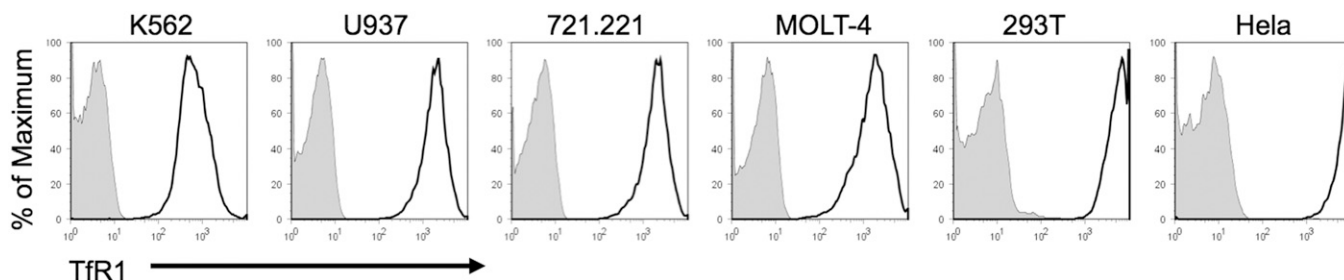


Fig. S4. Flow cytometric analysis of TfR1 expression by different cell lines using anti-TfR1 mAb (solid line) compared with isotype control (shaded).

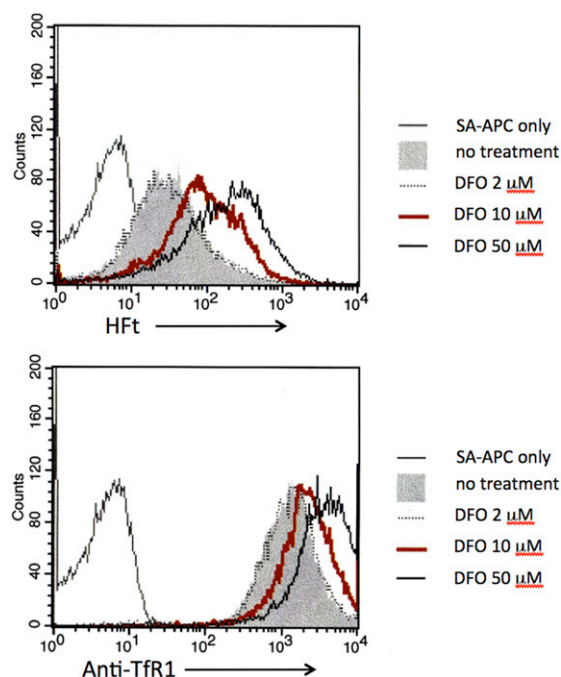


Fig. S5. The up-regulation of TfR1 on K562 cells after chelation of iron is accompanied by increased binding of HfT. *Upper* shows levels of binding of HfT by K562 cells, assessed by flow cytometry, after 18 h incubation with desferrioxamine (DFO) at the concentrations indicated. *Lower* shows levels of expression of TfR1 after the same treatment.