

Supporting Information

A selective and discriminating noncyclic receptor for HSO_4^- ion recognition

Umesh Fegade^{ab}, Suban K. Sahoo^c, Amanpreet Singh^d, Pramod Mahulikar^a, Sanjay Attarde^b, Narinder Singh^{*d}, Anil Kuwar^{*a}

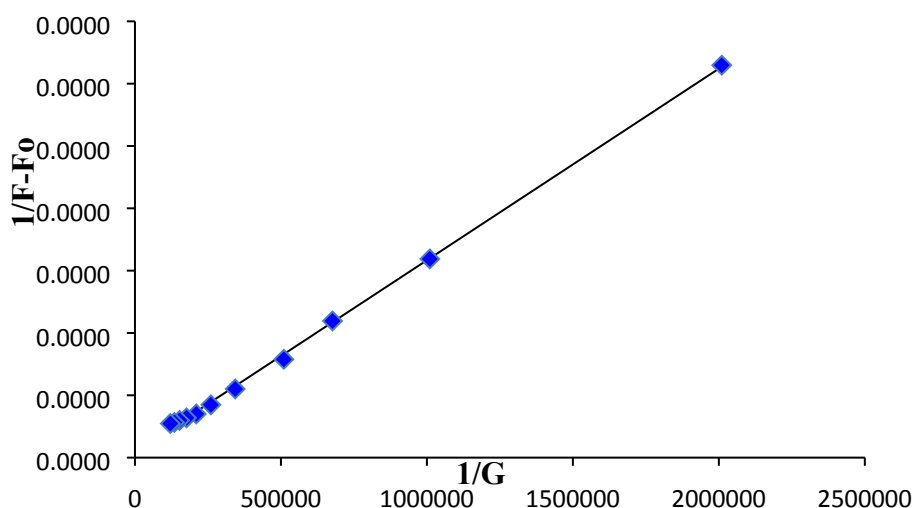


Fig. S1. Benesi-Hildebrand Plot of **L** (adjusted equation: $1/F - F_0 = -3E-12 + 9E-08 \ 1/[G]$, $R=0.999$) at the K value of 3000 M^{-1} .

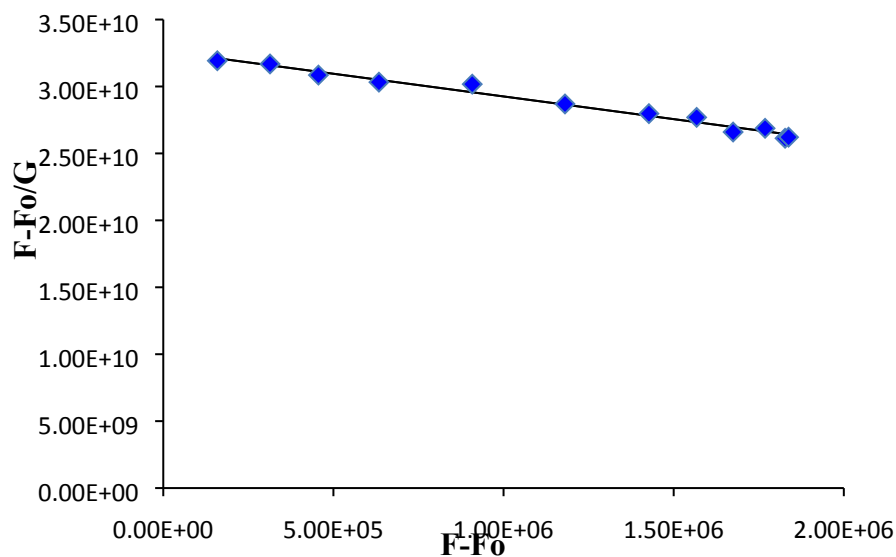


Fig. S2. Scatchard Plot for receptor **L** (adjusted equation: $F - F_0/[G] = -3389x + 3E+10$, $R=0.980$) at the K value 3389 M^{-1} .

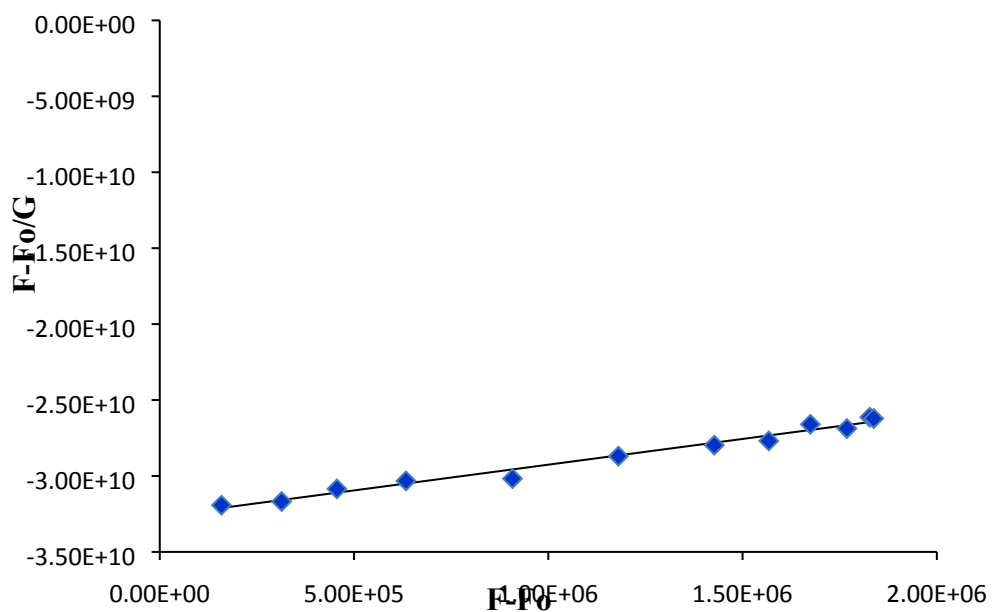


Fig. S3. Connor Plot for receptor **L** (adjusted equation: $y = -3389x - 3E+10$, $R=0.980$) at the K value 3389 M^{-1} .

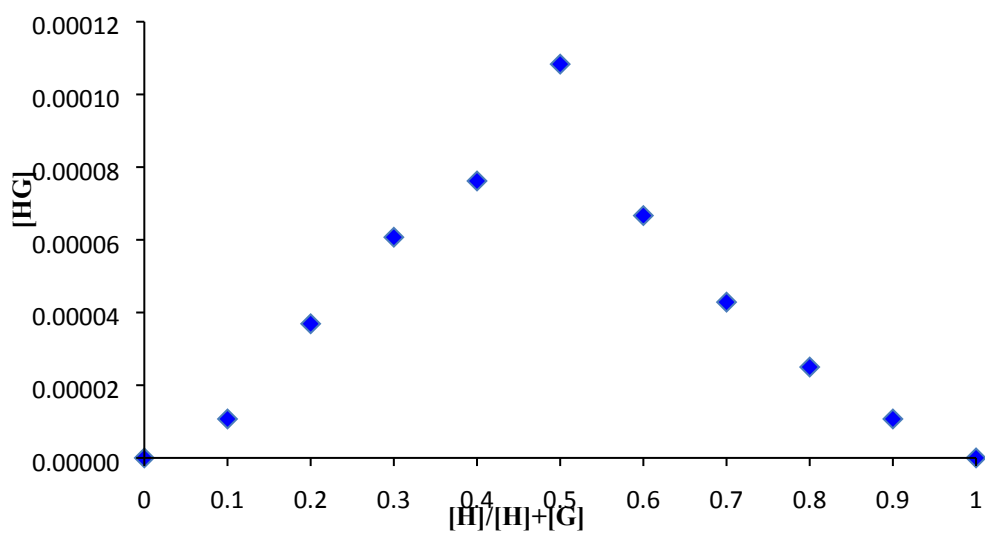


Fig. S4. The Job's plot for the receptor **L** and HSO_4^- .

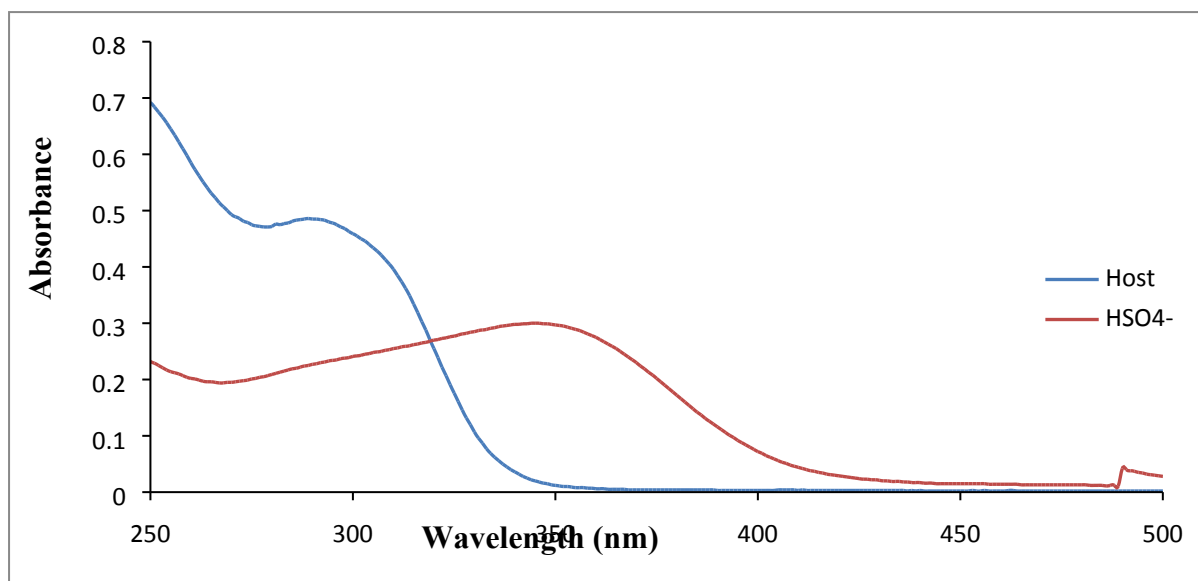


Figure S5. The absorption spectra of **L** (1×10^{-5} M) in the absence and presence of HSO_4^- anion in 100% water (1 equiv. of each).

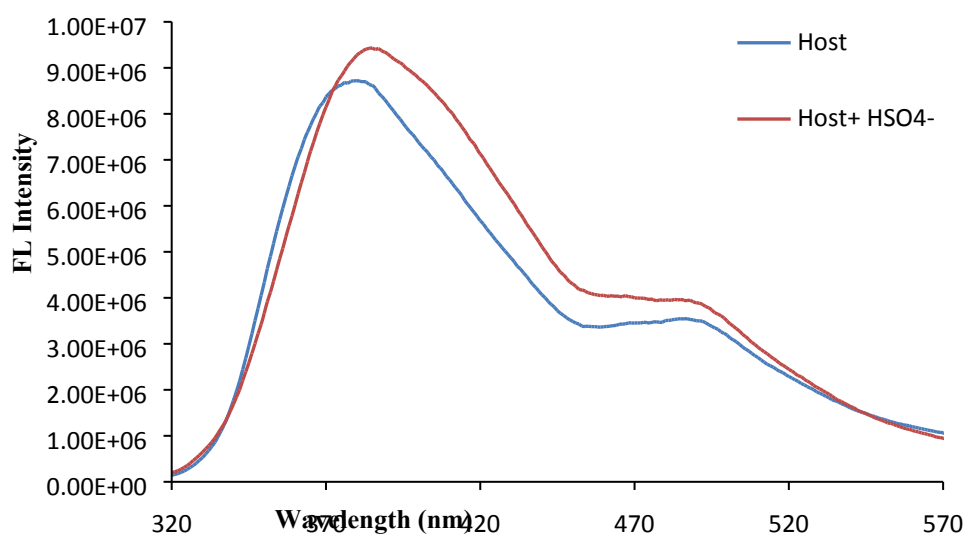


Figure S6. Changes in the fluorescence of **L** (1×10^{-5} M) in the absence and presence of HSO_4^- anion in 100% water.