

Supplemental fig. 1. Correlation of receptor activation and surface expression for multiple DNA

concentrations. HEK293 cells were transiently transfected with Gqi4myr, the reporter plasmid (CREB/Luc system) and 12 concentrations of FLAG-tagged wt EBI2 receptor (0-35 ng/80,000), and the CREB activity (A) was determined in parallel with surface expression (B) for all DNA concentrations. The results are given as percent \pm SEM relative to the value at 15 ng/80,000 (marked in red on both figures).

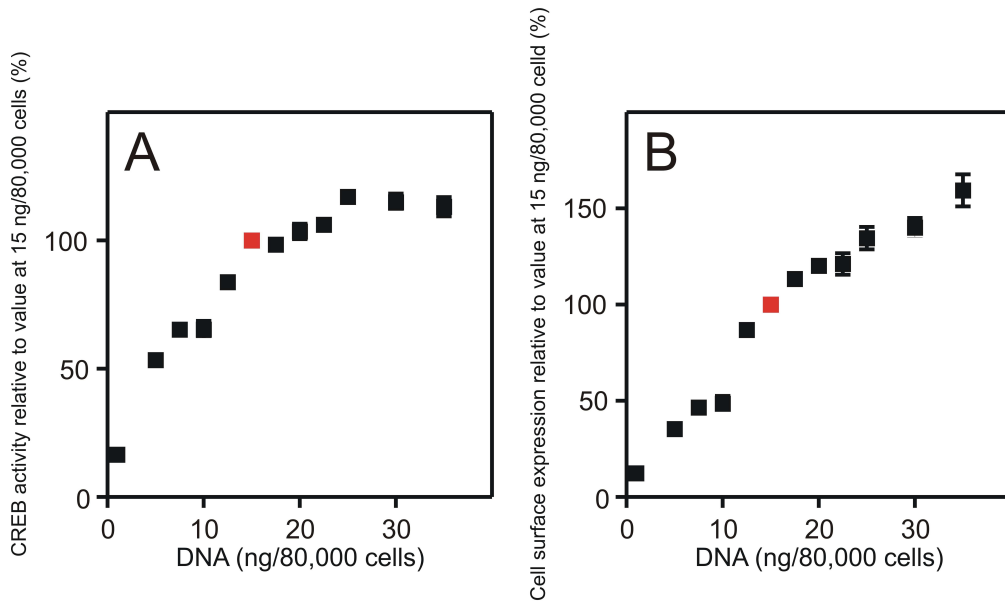
Supplemental fig. 2. Correlation of receptor activation and surface expression for F(VI:13) mutants.

HEK293 cells were transiently transfected with Gqi4myr, reporter plasmid (CREB/Luc system) and 5 different concentrations of FLAG-tagged constructs being 1-10 ng for EBI2 wt and 25-50 ng for the two F(VI:13) mutants. The results are pooled raw data \pm SEM from 4 independent experiments with corresponding cell surface expression and CREB activity presented on the abscissa and ordinate axes, respectively. The shaded box indicates the data points presented in Fig. 3B.

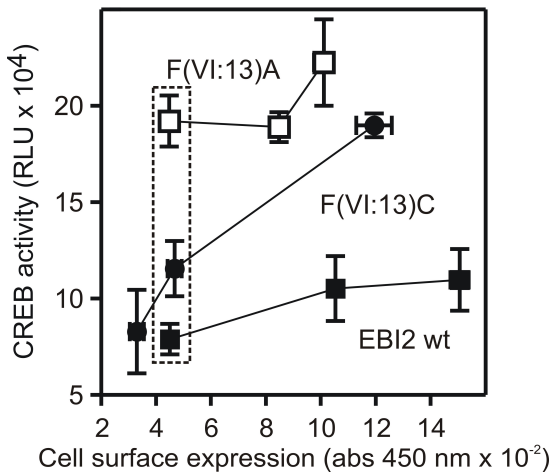
Supplemental fig. 3. Correlation of receptor activation and surface expression for I(III:03) mutants.

HEK293 cells were transiently transfected with Gqi4myr, reporter plasmid (CREB/Luc system) and 5 different concentrations of FLAG-tagged constructs being 1-10 ng for EBI2 wt and 25-50 ng for the two I(III:03) mutants. The results are pooled raw data \pm SEM from 4 independent experiments with corresponding cell surface expression and CREB activity presented on the abscissa and ordinate axes, respectively.

Supplemental figure 1



Supplemental figure 2



Supplemental figure 3

