Supplementary Fig.1: Indoleamine 2,3-dioxigenase (IDO) expression in the presence of L- or D-tryptophan.

RT-PCR was used to detect IDO gene expression of HCEC incubated in medium with either D-/ or L-Trp (25 μM), and in some cases stimulated with IFN-γ. Differences between the two isoforms were not statistically significant (p > 0.05). Bars represent means ± standard deviation, ns: not significant.

Supplementary Fig.2: Indoleamine 2,3-dioxigenase (IDO) activity in human corneal endothelial cells (HCEC) in the presence of L- or D-tryptophan.

IDO enzymatic activity was evaluated by measuring the degradation of L- or D-Trp and accumulation of Kyn in the supernatants by using RP-HPLC. Human corneal endothelial cells (HCEC) were incubated with/without IFN-γ for 72 h. Left: various concentrations of L-or D-Trp (25, 250 and 500 μM) were used. No differences between the two isoforms were detected at all three concentrations of IFN-γ. Right: Use of various concentrations of DL 1-
MT (1, 2 and 3 mM). At 3 mM DL 1-MT, kynurenine production was completely abrogated. Bars represent means ± standard deviation.