Supporting Information

Hydroxytyrosol is the major anti-inflammatory compound in aqueous olive extracts and impairs cytokine and chemokine production in macrophages

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Fig. 1S Influence of substances on cellular LDH contents.

RAW264.7 cells were activated with LPS only or with LPS in the presence of different concentrations of HT or OVW and cultured for 24 h. Total LDH levels in cell lysates were determined. Values of three independent experimental series (± SEM) are given.
Concentration-dependent inhibition of nitric oxide and PGE\(_2\) in RAW264.7 cells stimulated with LPS (1 \(\mu\)g/mL) and graded amounts of substances for 24 h. Nitrite and PGE\(_2\) were determined as detailed in Materials and Methods. The graphs show the mean of triplicate cultures (± SD).

a) Nitrite concentrations in RAW264.7 cell culture supernatants.

b) PGE\(_2\) concentrations in RAW264.7 cell culture supernatants
Fig. 3S Comparison of effects of substances at the level of protein secretion and gene expression. *HT and OVW concentration-dependently diminished secretion of cytokines.*

RAW264.7 cells were activated with LPS in the presence of graded amounts of substances. The concentration of the indicated cytokines was determined in 24 h culture supernatants. Mean values from 3 independent experimental series (+/- SEM). * p<0.05 (in comparison to LPS-induced protein secretion).

**HT and OVW**
concentration-dependently reduced gene expression of cytokines.

RAW264.7 cells were activated with LPS in the presence of graded amounts of substances. RNA was extracted after 4 h of activation and the expression of the indicated genes determined by RT-PCR (see Materials & Methods for details). Mean values from 3 independent experimental series (+/- SEM). * p< 0.05 (compared to values obtained from LPS-stimulated cells).