

Cell Type (Analysis)	Agonist	Main Findings	References
Monocytes (Microarray)	Fluticasone propionate	Down-regulation of anti-inflammatory genes CXCL11, CCL5, FCN1 (Ficolin). Up-regulation of IL-10, IL-1RII and MRC1 genes.	(Ehrchen et al., 2016)
Macrophages (Microarray)	Dexamethasone LPS stimulation	Down-regulation of Pro-inflammatory genes IL-1 α , IL-8, IFN- α , and IFN- β . Increased expression of scavenger receptors.	(Boettner, Ehrhart-bornstein, & Shea, 2002)
Dendritic Cells (Microarray)	Dexamethasone LPS stimulation	Down-regulation of Pro-inflammatory genes IL-2, CCR7.	(Vizzardelli et al., 2006)
Mastocytes (Microarray)	Dexamethasone	Up-regulation of MKP-1 gene contributing to anti-inflammatory effects.	(Kassel et al., 2001)
PBMCs - Peripheral Blood Mononuclear Cells (Proteomics)	Dexamethasone LPS stimulation	Down-regulation of Pro-inflammatory genes MICAL3, IL-1 α , IL-1 β , IL-6 and IL-8. Up-regulation of M130, fibroleukin and metalloproteinase 2 genes (anti-inflammatory effects).	(Bileck, Kreutz, Muqaku, Slany, & Gerner, 2014)
Neutrophils (Proteomics)	Dexamethasone	Down-regulation of annexin 1 (lipocortin 1), phosphoglycerate mutase and cathelicidin 1 genes. Up-regulation of Lactotransferrin (lactoferrin) contributing to Pro-inflammatory effects.	(Beveridge, Mitchell, Brewer, Clark, & Caswell, 2008)

Epithelial Cells (Microarray)	Dexamethasone	Up-regulation of MKP-1 gene contributing to anti-inflammatory effects.	(Wu et al., 2004)
THP1- Monocytic Cell Line (Microarray)	Org 214007-0	Down-regulation of IL-6, IL-8 and MCP-1 genes. Up- regulation of FK506, GILZ and DUSP1 genes.	(Lierop et al., 2012)
Neutrophils (Microarray)	Dexamethasone	Down-regulation of Caspase-8,TF-1 and TFAR-19 genes, contributing to anti-apoptotic effects. Up-regulation of PPAR- γ , BPI and LC3 genes.	(Weber et al., 2006)

Supplementary Table 1 – Summary of published Microarray/Proteomics data from studies employing different immune cells and the indicated GR agonists.

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