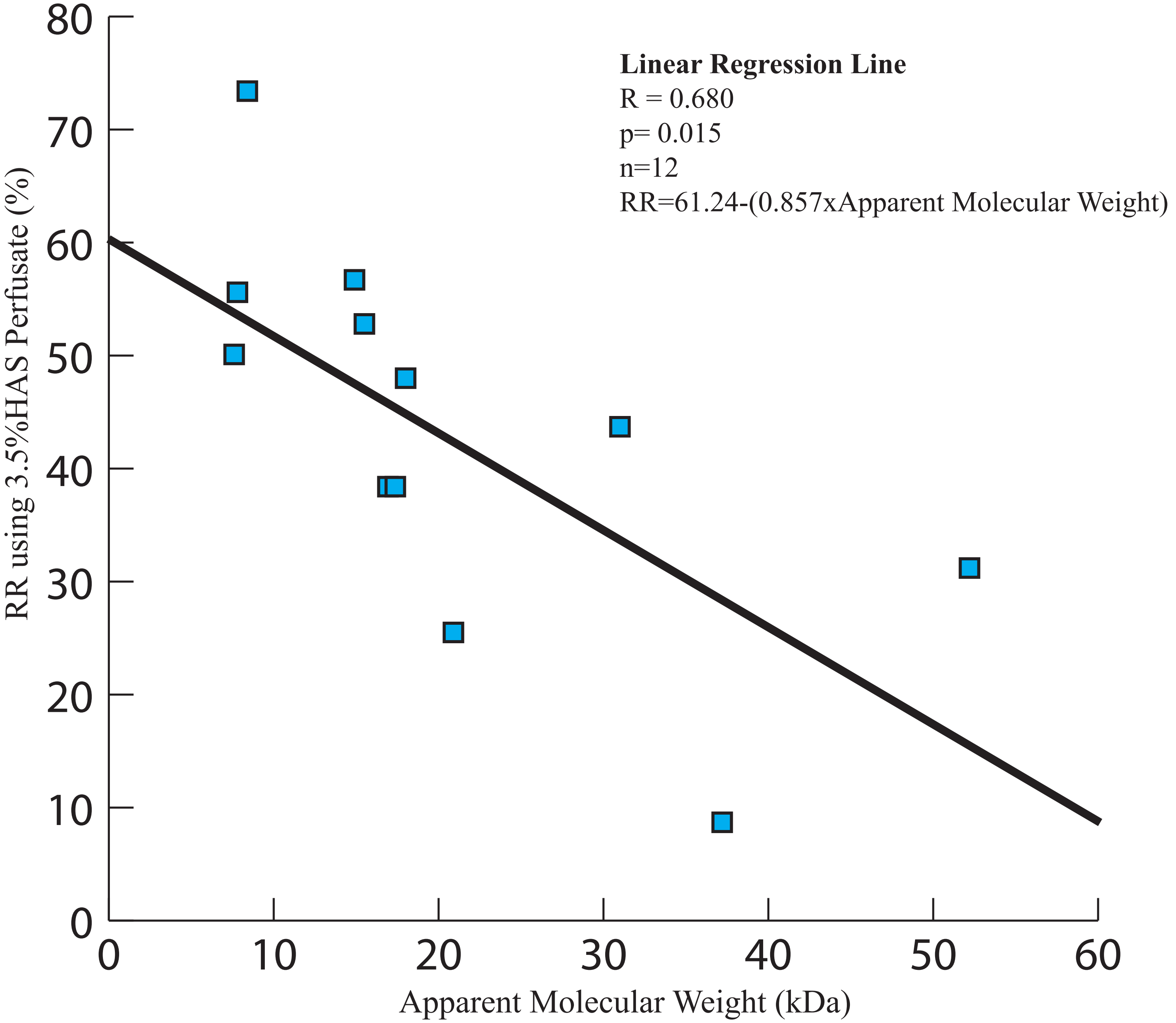
Estimation of 3.5% HAS perfusate RR based on previous *in vitro* data



Supplementary Figure 4: Estimation of RR based on previous *in vitro* data
The scatter plot is derived from empirical *in vitro* data from Figure 6, Helmy et al, 2009. RR was determined for a panel of 12 cytokines (IL1a, IL1b, IL1ra, IL2, IL4, IL6, IL8, IL10, IL17, TNF, MIPa1, MIP1b). Apparent molecular weight is the molecular weight of each cytokine taking into account any dimerisation/trimerisation. The linear regression line has been used to estimate RR for those cytokines where no *in vitro* data exists. The p-value derives from an ANOVA. The apparent molecular weights (kDa) for the additional cytokines, where no *in vitro* recovery data are available, are reproduced below. The estimated RR values are shown in table 4 in the manuscript.

Cytokine		Cytokine		Cytokine	
EGF	6.2	**IL3**	15.0	**MCP3**	9.0
Eotaxin	8.3	**IL5**	26.0	**MDC**	8.0
FGF2	17.2	**IL7**	17.4	**PDGFAA**	28.5
Flt3lig	17.6	**IL9**	14.0	**PDGFAB/BB**	24.9
Fractalkine	8.5	**IL12p40**	40.0	**RANTES**	7.8
GCSF	18.7	**IL12p70**	70.0	**sCD40L**	18.0
GMCSF	14.6	**IL13**	12.5	**sIL2R**	31.0
GRO	7.8	**IL15**	14.0	**TGFa**	5.5
IFNa2	19.2	**IP10**	8.5	**TNFb**	55.8 (trimer)
IFNg	16.7	**MCP1**	8.6	**VEGF**	66.6