

SUPPLEMENTAL MATERIAL

Ireland and Unanue, <http://www.jem.org/cgi/content/full/jem.20110640/DC1>

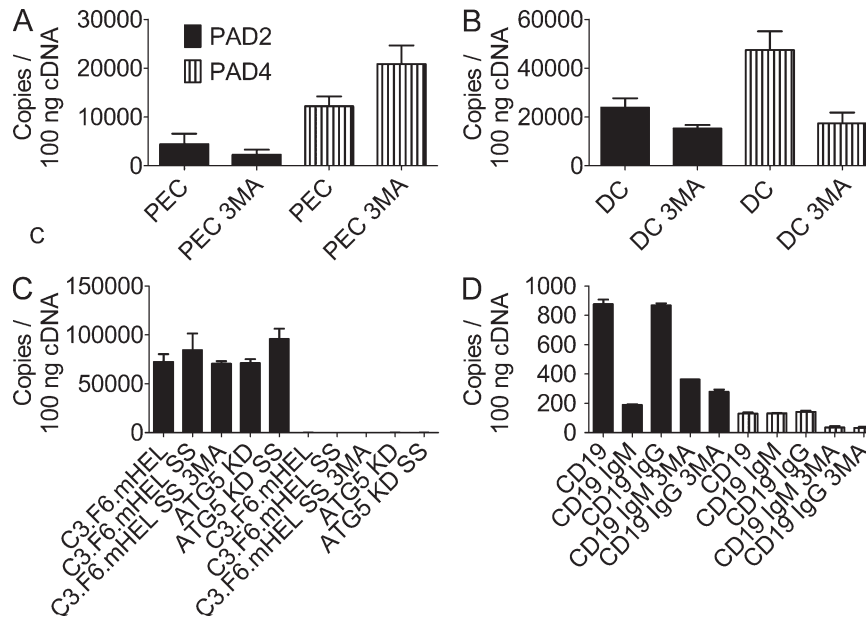


Figure S1. Presentation of citrullinated peptides is not associated with a change in expression of PAD enzymes. (A–D) Quantitative RT-PCR was performed on cDNA generated from PECs (A), DCs (B), C3.F6.mHEL or C3.F6.mHEL cells in which Atg5 expression had been knocked down (labeled as ATG5 KD; C), or CD19 collected from B10.BR spleen (D). 3MA or SS indicates that cells were treated with the drug or cultured in 1% FCS for 6 h. Data are presented as the mean of quadruplicate reaction replicates and are representative of at least two independent experiments. Error bars indicate SEM.

Table S1. Biochemical detection of citrulline in naturally processed peptides indicates higher levels after culture in serum-starved conditions

Experiment	Culture	Citrulline/10 ⁹ cells	Fold increase
		<i>nmol</i>	
1	1% serum	5.05	2.46
	5% serum	2.06	
2	1% serum	2.62	8.73
	5% serum	0.30	
3	1% serum	18.19	13.50
	5% serum	1.35	
4	1% serum	2.37	2.25
	5% serum	1.05	