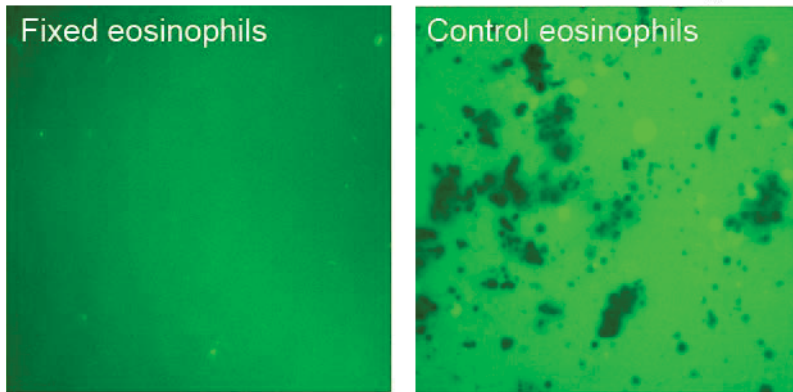
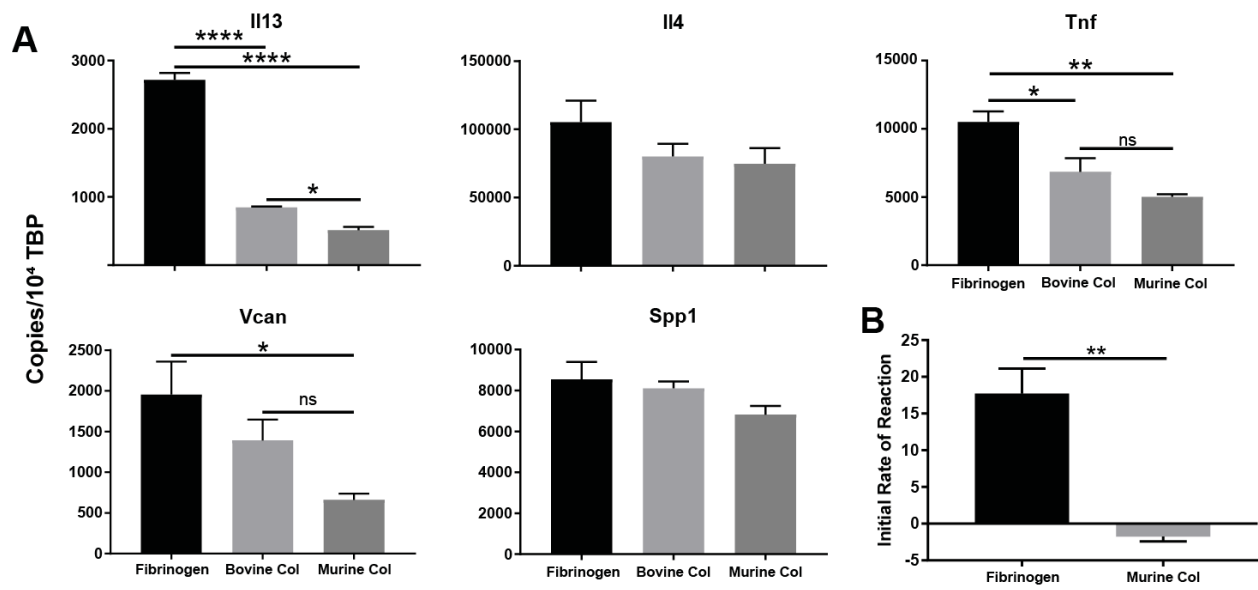


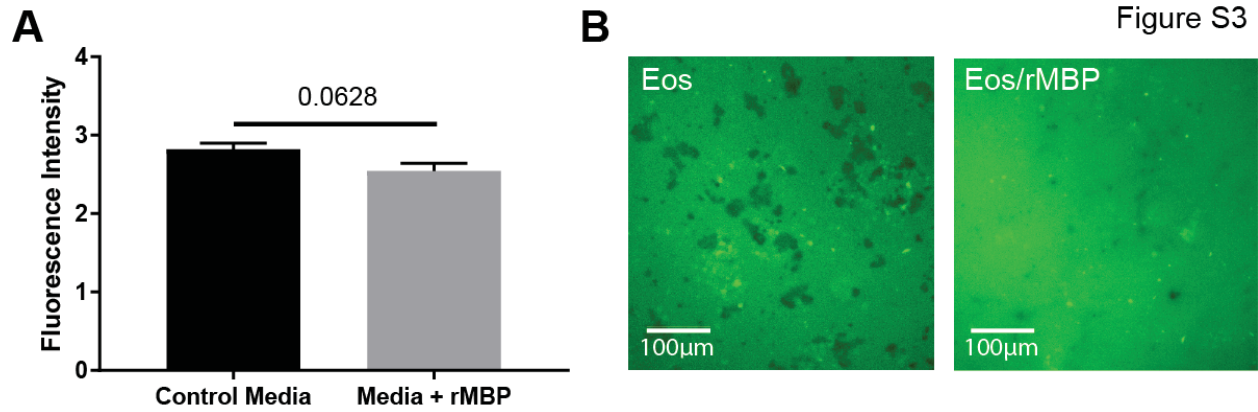
Figure S1



**Figure S1.** Images comparing lack of substrate degradation when fixed eosinophils were added to fibrinogen substrate for 4 hours (left) with substrate degradation from live eosinophils (right)



**Figure S2.** A) Bar graphs showing gene expression comparison between bovine and murine collagen relative to murine fibrinogen. \* $p < 0.5$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ , \*\*\*\* $p < 0.0001$  by one-way ANOVA. B) Biolog metabolic assay comparing metabolic activity of eosinophils exposed to murine fibrinogen vs eosinophils exposed to murine collagen. \*\* $p < 0.01$  by t-test.



**Figure S3.** A) Bar graph showing fluorescence intensity of FITC-linked fibrinogen exposed only to cell media control vs. cell media plus 1  $\mu\text{g}/\text{mL}$  rMBP.  $p=0.0628$  by t-test,  $n=4$ . B) Visualization of addition of eosinophils with no treatment (left) as compared to those treated with 1  $\mu\text{g}/\text{mL}$  rMBP (right). Images representative of 3 replicates, from which at least 4 fields were imaged.

Mass spectrometry data comparing fibrinogen background control (no eosinophils added) to fibrinogen plus eosinophils										
Protein IDs	Protein names	Gene names	Peptides	Unique peptides	Sequence coverage [%]	Mol. weight [kDa]	Fibrinogen only control (no eosinophils added)		Fibrinogen plus eosinophils	
							LFQ intensity NoEos	LFQ intensity Eos	LFQ intensity Eos	LFQ intensity Eos
COHKE9;COHKE8;COHKE7;COHKE6	Histone H2A type 1-H;Histone H2	Hist1h2ah;H2afj;Hist2h2ac;Hist1h	2	2	21.5	14.135	0	0	0	37034000
E9PV24	Fibrinogen alpha chain;Fibrinope	Fga	4	4	7.9	87.428	70775000	67089000	60481000	87700000
P18760;P45591	Cofilin-1;Cofilin-2	Cfl1;Cfl2	2	2	23.5	18.559	0	0	27905000	42121000
P49290	Eosinophil peroxidase;Eosinophil	Epx	4	4	6.6	81.379	0	0	81637000	95396000
P63260;P60710;P63268;P68134;P	Actin, cytoplasmic 2;Actin, cytop	Actg1;Actb;Actg2;Acta1;Actc1;Act	4	4	14.7	41.792	74386000	102690000	285130000	718610000
Q61878	Bone marrow proteoglycan;Eosin	Prp2	2	2	14.3	24.255	0	0	61286000	84531000
Q8K0E8;CON_P02676	Fibrinogen beta chain;Fibrinopept	Fgb	3	3	10.2	54.752	0	0	31581000	42767000
Q8VCM7	Fibrinogen gamma chain	Fgg	2	2	7.1	49.391	24179000	25068000	28231000	36111000

**Table S1.** Mass spectrometry data comparing fibrinogen background control (no eosinophils added) to fibrinogen plus eosinophils. LFQ = label free quantification, NoEos = fibrinogen only background control, Eos = fibrinogen plus eosinophils.