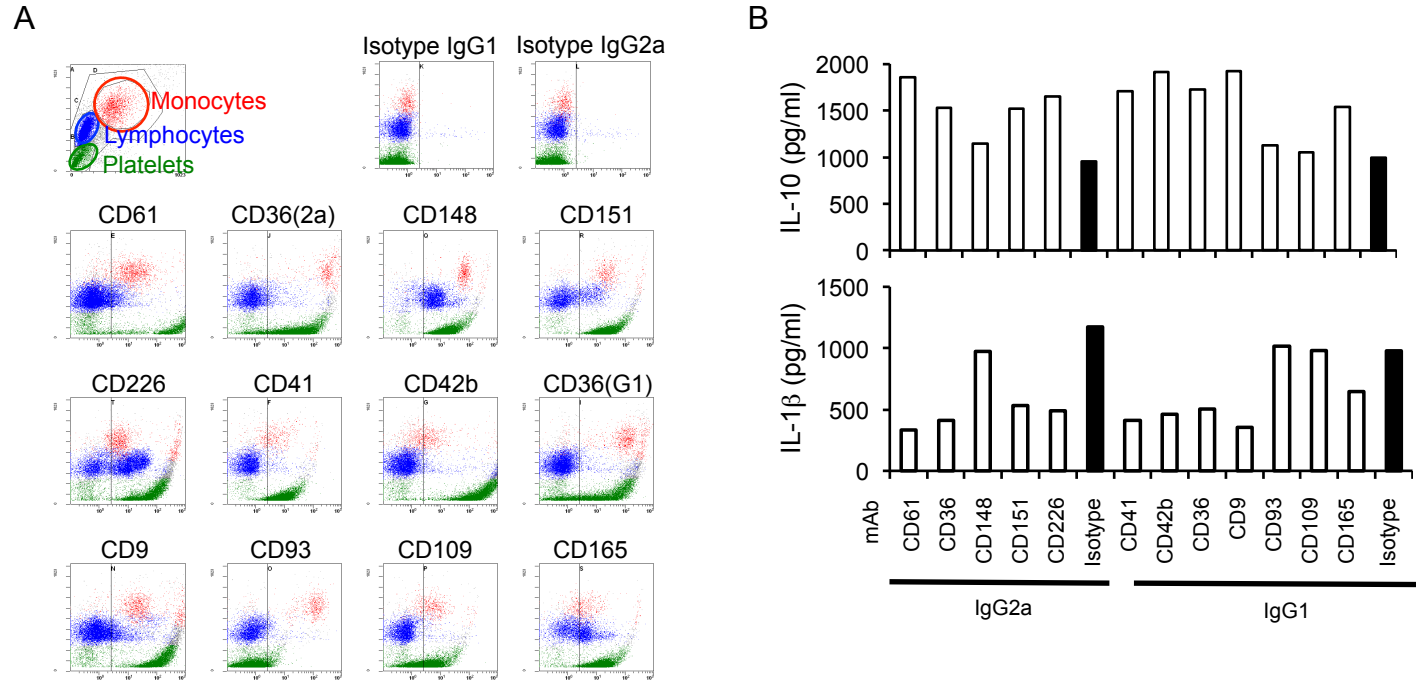**Supplementary Table I**

Specificities and isotypes of monoclonal IgG antibodies
used for IGPS or its blocking in this study

mAb	Specificity	IgG isotype
anti-CD61 (#33)	human CD61	mIgG2a
anti-CD61 (6E4)	human/mouse CD61	mIgG2a
anti-CD41 (HIP8)	human CD41	mIgG1
anti-CD42b (HIP1)	human CD42b	mIgG1
anti-CD9 (HI9a)	human CD9	mIgG1
anti-CD36 (5-271)	human CD36	mIgG2a
IV.3	human FcγRIIA/B	mIgG2b
3G8	human FcγRIIIA/B	mIgG1

Supplementary Figure S1

A

Monocytes
Lymphocytes
Platelets

Isotype IgG1　Isotype IgG2a

CD61　CD36(2a)　CD148　CD151

CD226　CD41　CD42b　CD36(G1)

CD9　CD93　CD109　CD165

B

IL-10 (pg/ml)

IL-1β (pg/ml)

mAb　CD61　CD36　CD148　CD151　CD226　Isotype　CD41　CD42b　CD36　CD9　CD93　CD109　CD165　Isotype

IgG2a　　　　　　　　IgG1

C

CD number	Alternative name or protein family	FCM reactivity		Cytokine modulation
		Platelets[a]	Monocytes[b]	
CD41	GPIIb (Integrin αIIb)	+	+	+
CD61	GPIIIa (Integrin β3)	++	+	+
CD42b	GPIbα	++	±	+
CD36	GPIIIb/IV	++	+	+
CD9	p24, tetraspan family	++	+	+
CD93	Transmembrane protein	−	+	−
CD109	GPI-anchored protein	+	±	−
CD148	Membrane Tyr phosphatase	+	+	±
CD151	Tetraspan family protein	+	+	±
CD165	AD2	+	±	±
CD226	DNAM-1	++	+	+

[a]Flow cytometry reactivity of IgG to platelets based on results in panel C.
[b]Flow cytometry reactivity of IgG to monocytes based on results in panel C.

FIGURE S1. Platelet-reactive IgG antibodies can evoke IGPC.
(**A**–**C**) Antibodies binding avidly to platelets can augment IL-10 release and reduce IL-1β. Using a whole PMBC preparation, the binding activity of each mAb as to platelets was assessed by flow cytometry (**A**). Cytokine modulation by mAbs was compared (**B**), and the results were summarized (**C**). Cytokine modulation roughly correlated with flow cytometric reactivity of mAbs to platelets.
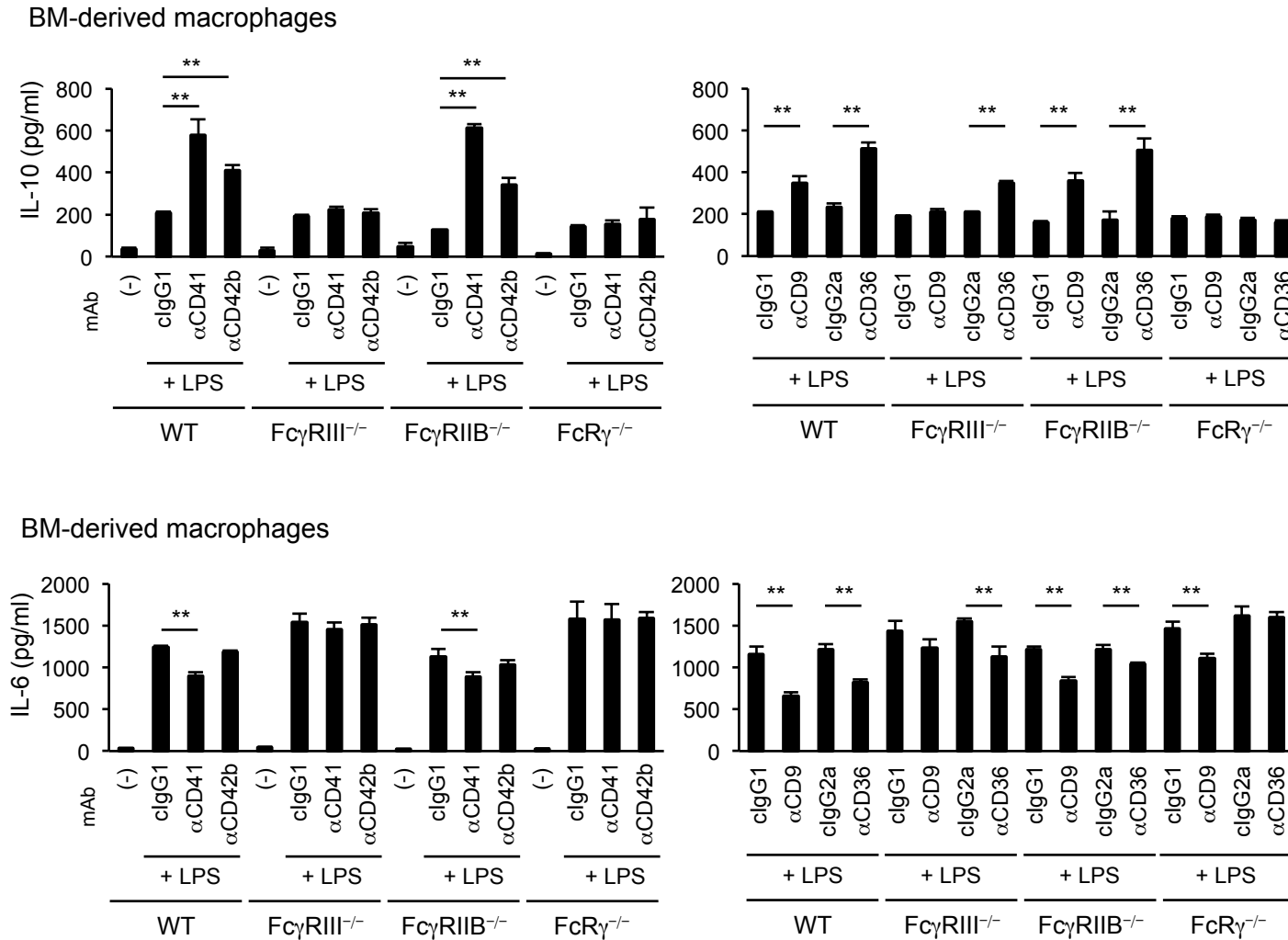
FIGURE S2. Indispensable FcRγ but not FcγRIIB, and the isotype-dependent nature of IGPC.
Bone marrow (BM)-derived cultured macrophages from wild-type (WT), FcγRIII-, FcγRIIB- or FcRγ-deficient mice were treated with an anti-human CD41 or CD42b, or anti-human CD9 mAb (isotype, IgG1) or anti-human CD36 mAb (IgG2a), and then stimulated with LPS in the presence of human platelets. The IL-10 (upper) and IL-6 (lower) levels in the culture supernatants were measured after 24 h. Data are shown as means for triplicate samples ± SEM. The results are representative of more than three independent experiments with similar results. **, $P < 0.01$.