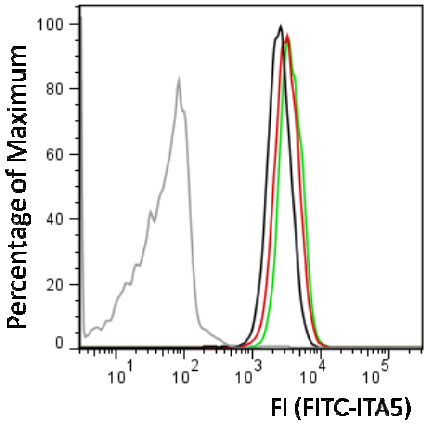
Supplemental Table 3: Enriched Biological Process Terms from GO Annotation of proteins with altered expression from platelet releasate treated THP-1 cells.

Stimuli: Thrombin				
GO Number	GO Term	Protein Number	p-Value	Proteins (Uniprot ID)
GO:0016052	carbohydrate catabolic process	5	5.45E-04	ALDOC_HUMAN, G6PE_HUMAN, CH3L1_HUMAN, ALDOA_HUMAN, HEXB_HUMAN

Stimuli: LPA				
GO Number	GO Term	Protein Number	p-Value	Proteins (Uniprot ID)
GO:0007155	cell adhesion	8	5.53E-04	ITA5_HUMAN, ANGT_HUMAN, PECA1_HUMAN, ITA2B_HUMAN, GPNMB_HUMAN, ITB3_HUMAN, RET_HUMAN, ITA4_HUMAN
GO:0022610	biological adhesion	8	5.58E-04	ITA5_HUMAN, ANGT_HUMAN, PECA1_HUMAN, ITA2B_HUMAN, GPNMB_HUMAN, ITB3_HUMAN, RET_HUMAN, ITA4_HUMAN
GO:0009611	response to wounding	6	4.93E-03	TRFE_HUMAN, ITA5_HUMAN, TFR1_HUMAN, CATB_HUMAN, CO3_HUMAN, ITB3_HUMAN

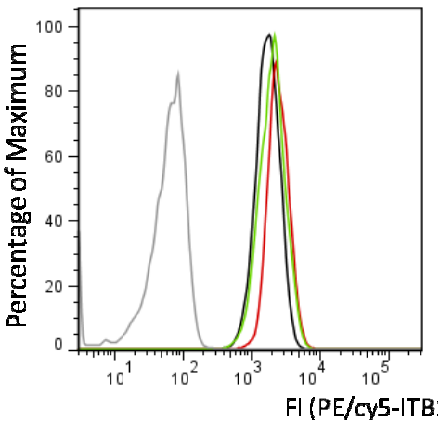
Supplemental Figure 1: Examplified histograms of flow cytometry analysis for the validation of Integrin α5, β1, PECAM-1 and PSGL-1. THP-1 cells were treated with media as control, or thrombin- or LPA- induced platelet releasate (Thr-PR or LPA-PR) for 24h. Antibodies of integrin α5, β1, PSGL-1 or PECAM-1 or their corresponding isotype control were added. THP-1 cells were gated based on size and granularity. Histograms of each protein in their corresponding channel in one repeat of the surface expression level measurements are shown with mean fluorescent intensity (MFI) given. Relative expression level for each protein was calculated as follows: Ratio = [MFI(treatment) – MFI(isotype)] / [MFI(media) – MFI(isotype)].

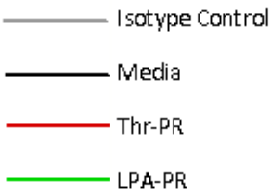
(a) Integrin α5



Sample	MFI
Isotype	77.6
Media	2105
THR-PR	2711
LPA-PR	2592

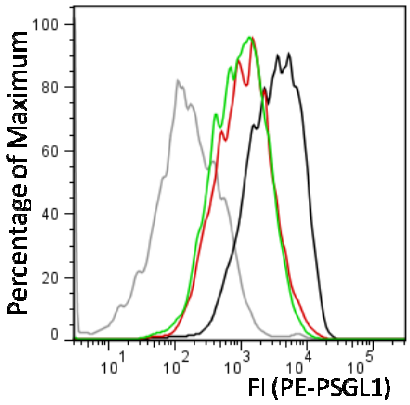
(b) Integrin β1





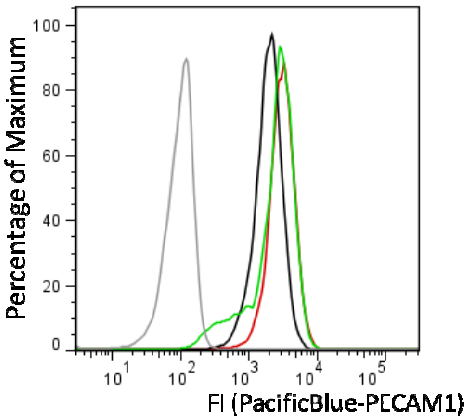
Sample	MFI
Isotype	53.4
Media	1281
THR-PR	1746
LPA-PR	1702

(c) PSGL-1



Sample	MFI
Isotype	242
Media	5395
THR-PR	2402
LPA-PR	2293

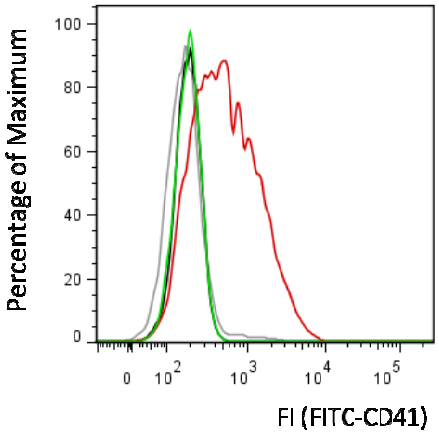
(d) PECAM-1



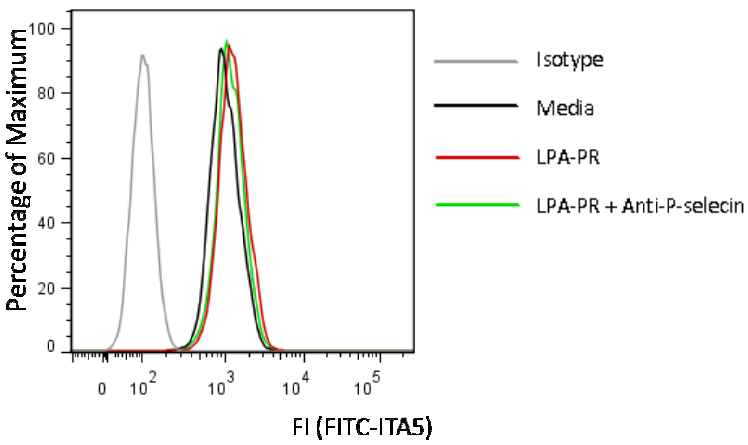
Sample	MFI
Isotype	110
Media	1985
THR-PR	3132
LPA-PR	2879

Supplemental Figure 2: Examplified histograms of flow cytometry analysis for the effect of P-selectin blocking antibody on platelet releasate induced THP-1 cell activation. THP-1 cells, pre-treated with 2.5 ug/mL anti-P-selectin blocking antibody for 30min or not, were treated with media as control, or LPA- induced platelet releasate (LPA-PR) for 24h. Antibodies of CD41, integrin α5 or their corresponding isotype control were added. THP-1 cells were gated based on size and granularity. Histograms of each protein in their corresponding channel in one repeat of the surface expression level measurements are shown with mean fluorescent intensity (MFI) given. Relative expression level for integrin α5 was calculated as follows: Ratio = [MFI(treatment) – MFI(isotype)] / [MFI(media) – MFI(isotype)].

(a) CD41



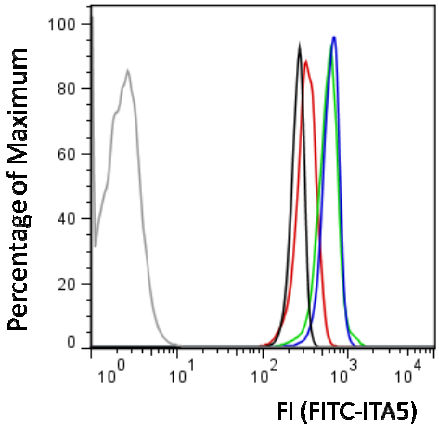
(b) Integrin α5



Sample	MFI
Isotype	69.3
Media	1085
LPA-PR	1492
LPA-PR + ab-P-selecin	1477

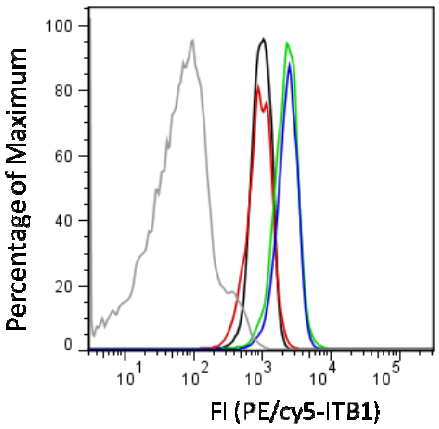
Supplemental Figure 3: Examplified histograms of flow cytometry analysis for the validation of protein expression changes on CD14+ primary monocytes. CD14+ primary monocytes were treated with media as control, or thrombin- or LPA- induced platelet releasate (Thr-PR or LPA-PR) for 24h. Antibodies of integrin α5, β1, PSGL-1 or PECAM-1 or their corresponding isotype control were added into treated or freshly isolated cells. Cells were gated based on size and granularity. Histograms of each protein in their corresponding channel in one repeat of the surface expression measurements are shown with mean fluorescent intensity (MFI) given. Relative expression level for each protein was calculated as follows: Ratio = [MFI(treatment or media at 24h) – MFI(isotype)] / [MFI(0h) – MFI(isotype)].

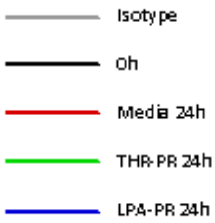
(a) Integrin α5



Sample	MFI
Isotype	2.31
0h	3020
Media 24h	4140
THR-PR 24h	8703
LPA-PR 24h	9253

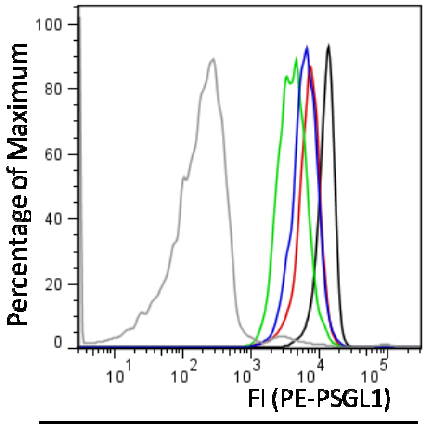
(b) Integrin β1





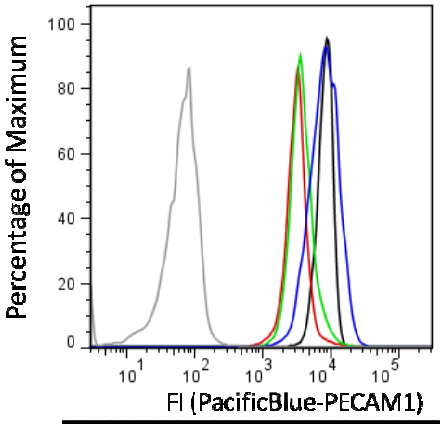
Sample	MFI
Isotype	49.4
0h	988
Media 24h	953
THR-PR 24h	2323
LPA-PR 24h	2368

(c) PSGL-1



Sample	MFI
Isotype	594
0h	12600
Media 24h	7240
THR-PR 24h	4412
LPA-PR 24h	6573

(d) PECAM-1



Sample	MFI
Isotype	77.3
0h	8174
Media 24h	3324
THR-PR 24h	4027
LPA-PR 24h	8625