FIG. 1

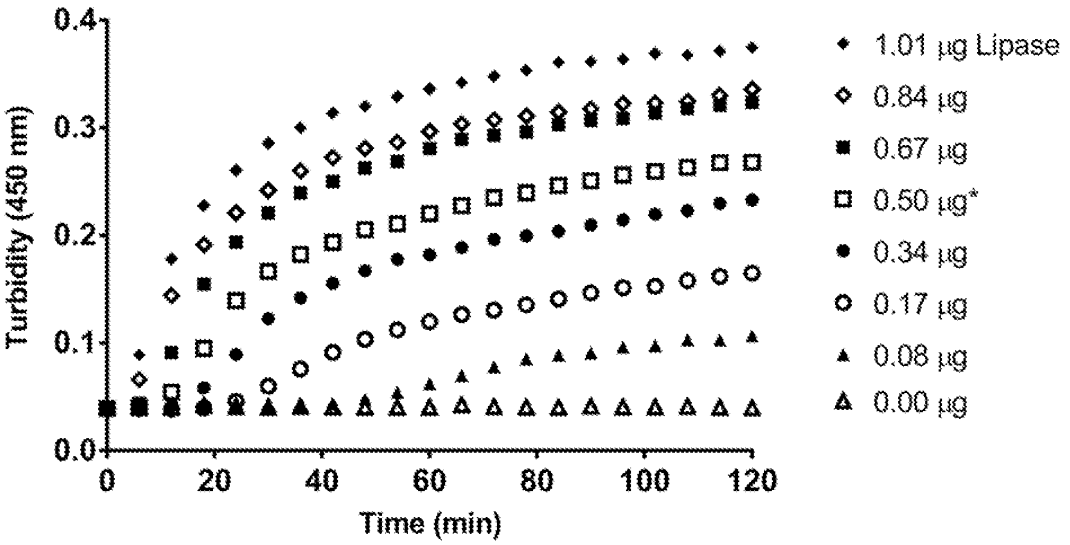

Turbidity (450 nm)
0.4
0.3
0.2
0.1
0.0
0
20
40
60
80
100
120
Time (min)
1.01 μg Lipase
0.84 μg
0.67 μg
0.50 μg*
0.34 μg
0.17 μg
0.08 μg
0.00 μg

FIG. 2

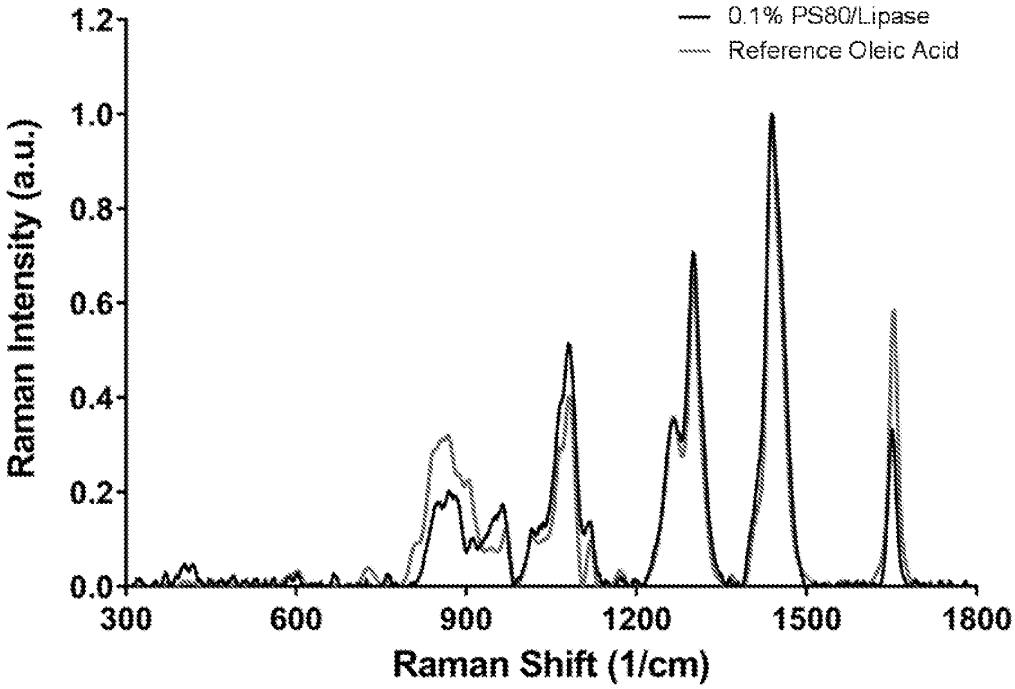

0.1% PS80/Lipase
Reference Oleic Acid
Raman Intensity (a.u.)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
300
600
900
1200
1500
1800
Raman Shift (1/cm)

FIG. 3

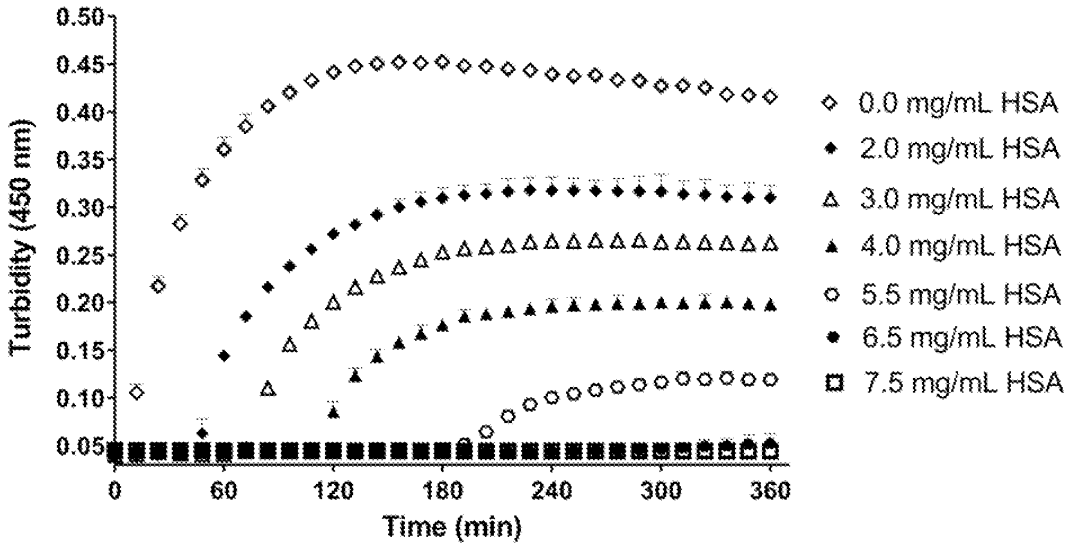

Turbidity (450 nm)
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
60
120
180
240
300
360
Time (min)
0.0 mg/mL HSA
2.0 mg/mL HSA
3.0 mg/mL HSA
4.0 mg/mL HSA
5.5 mg/mL HSA
6.5 mg/mL HSA
7.5 mg/mL HSA

FIG. 4

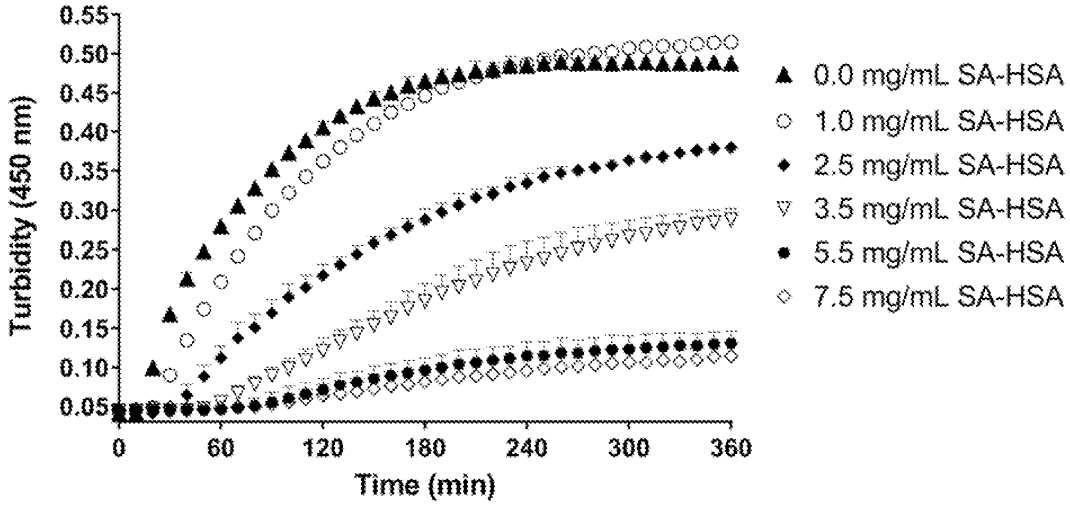

Turbidity (450 nm)
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
60
120
180
240
300
360
Time (min)
0.0 mg/mL SA-HSA
1.0 mg/mL SA-HSA
2.5 mg/mL SA-HSA
3.5 mg/mL SA-HSA
5.5 mg/mL SA-HSA
7.5 mg/mL SA-HSA

FIG. 5

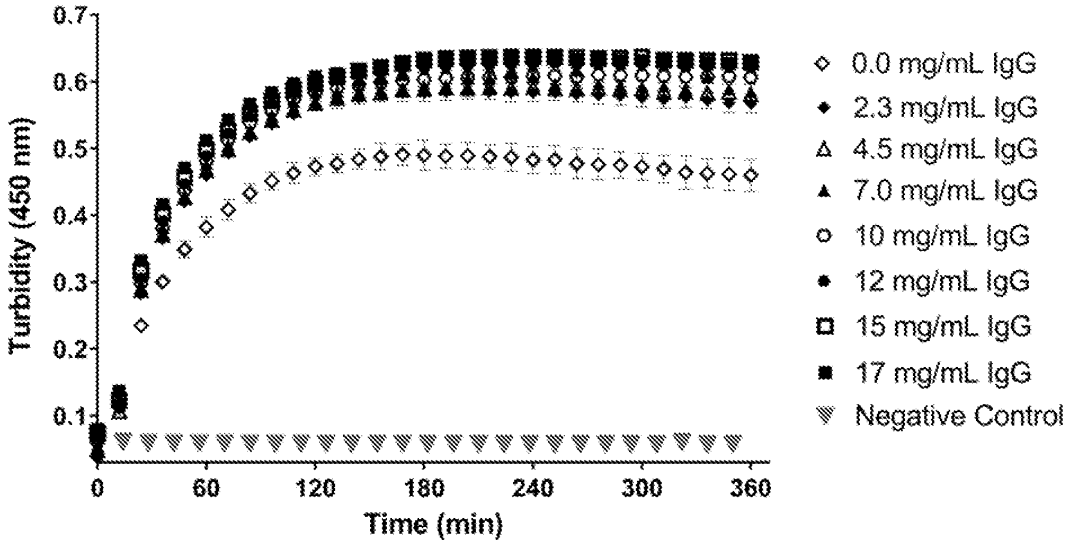

Turbidity (450 nm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
60
120
180
240
300
360
Time (min)
0.0 mg/mL IgG
2.3 mg/mL IgG
4.5 mg/mL IgG
7.0 mg/mL IgG
10 mg/mL IgG
12 mg/mL IgG
15 mg/mL IgG
17 mg/mL IgG
Negative Control

FIG. 6

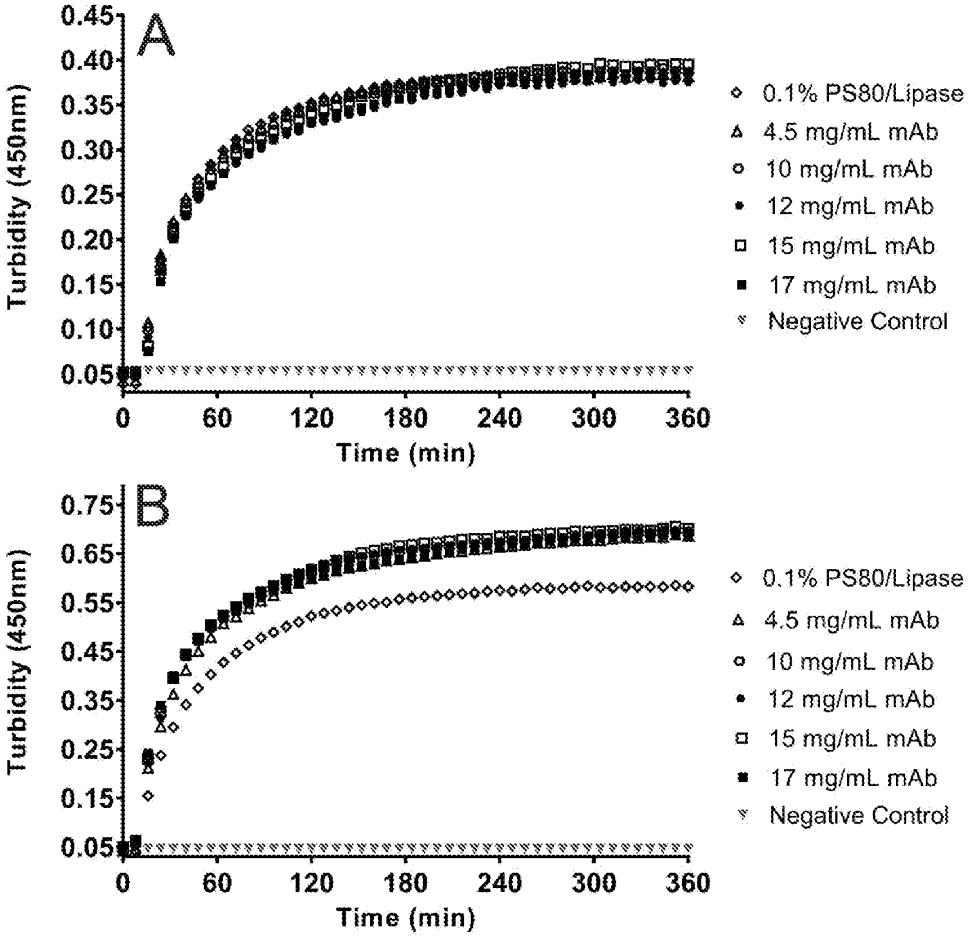

A
Turbidity (450nm)
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
60
120
180
240
300
360
Time (min)
0.1% PS80/Lipase
4.5 mg/mL mAb
10 mg/mL mAb
12 mg/mL mAb
15 mg/mL mAb
17 mg/mL mAb
Negative Control
B
Turbidity (450nm)
0.75
0.65
0.55
0.45
0.35
0.25
0.15
0.05
0
60
120
180
240
300
360
Time (min)
0.1% PS80/Lipase
4.5 mg/mL mAb
10 mg/mL mAb
12 mg/mL mAb
15 mg/mL mAb
17 mg/mL mAb
Negative Control

FIG. 7

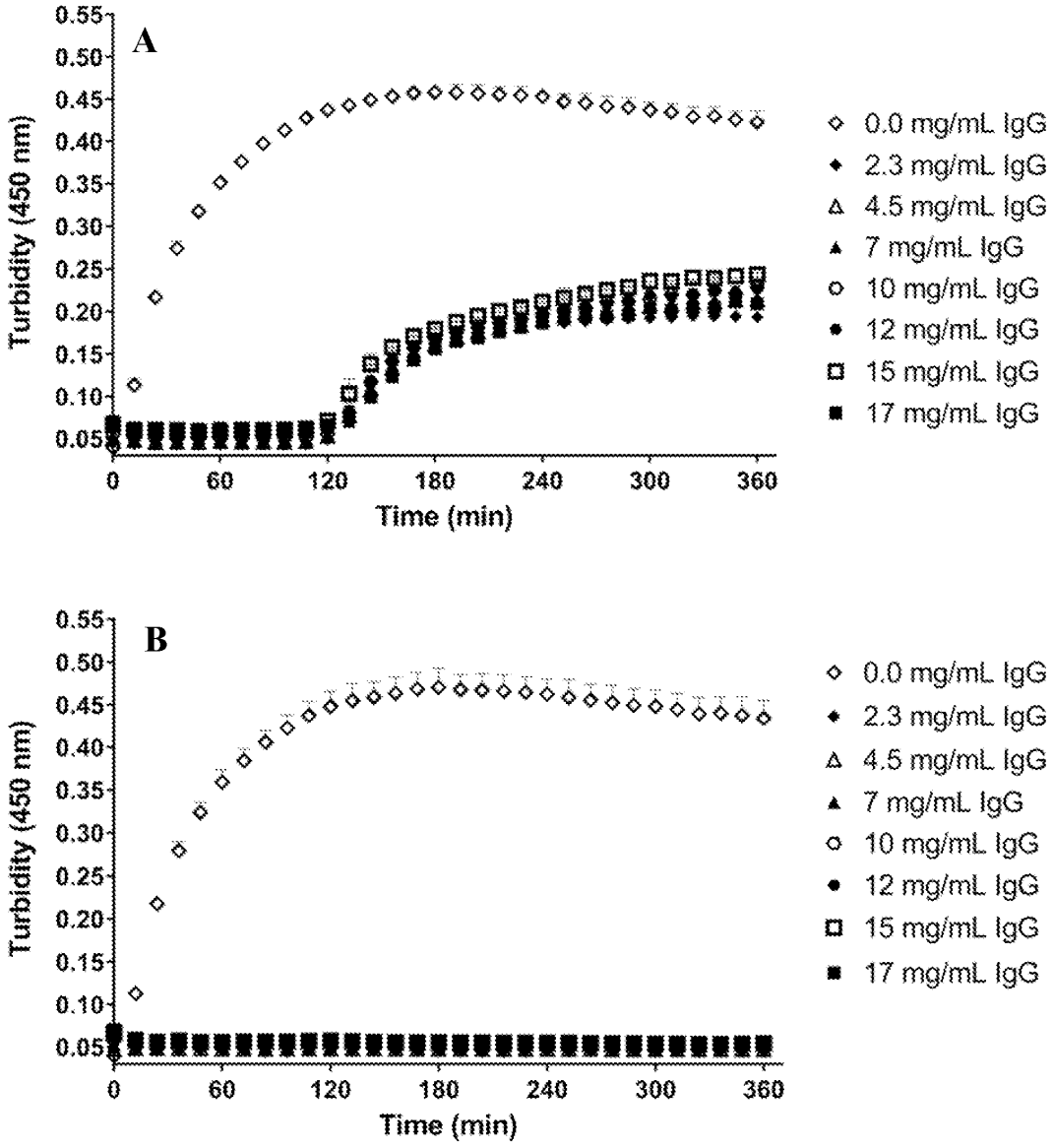

A
Turbidity (450 nm)
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
60
120
180
240
300
360
Time (min)
0.0 mg/mL IgG
2.3 mg/mL IgG
4.5 mg/mL IgG
7 mg/mL IgG
10 mg/mL IgG
12 mg/mL IgG
15 mg/mL IgG
17 mg/mL IgG
B
Turbidity (450 nm)
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0
60
120
180
240
300
360
Time (min)
0.0 mg/mL IgG
2.3 mg/mL IgG
4.5 mg/mL IgG
7 mg/mL IgG
10 mg/mL IgG
12 mg/mL IgG
15 mg/mL IgG
17 mg/mL IgG

FIG. 8

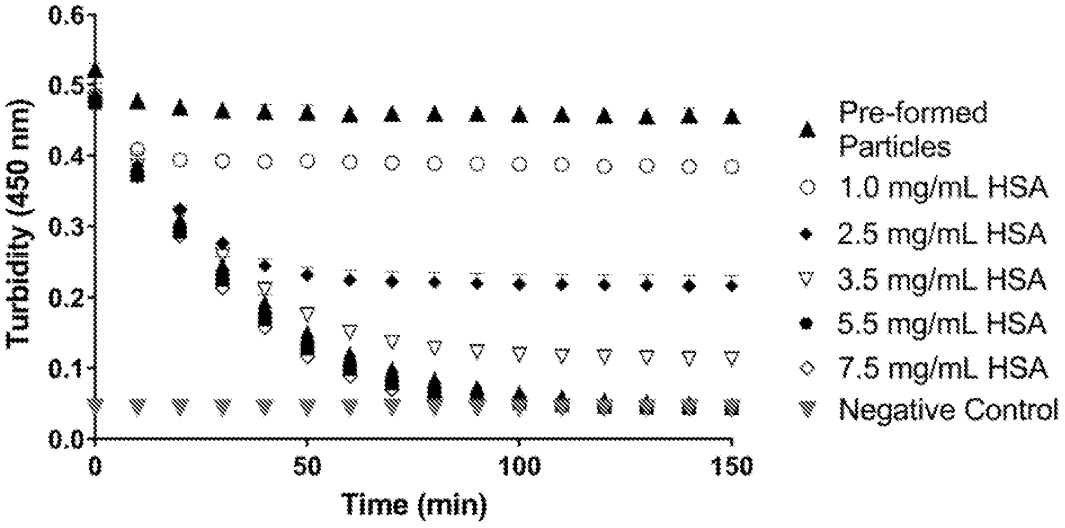
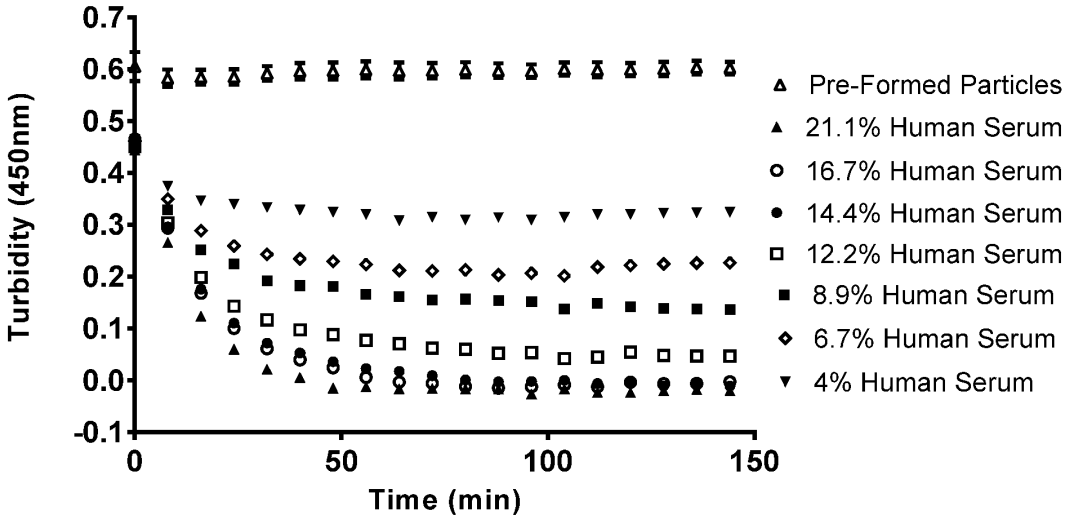

Turbidity (450 nm)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
Time (min)
Pre-formed Particles
1.0 mg/mL HSA
2.5 mg/mL HSA
3.5 mg/mL HSA
5.5 mg/mL HSA
7.5 mg/mL HSA
Negative Control

FIG. 9


Turbidity (450nm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
Time (min)
Pre-Formed Particles
21.1% Human Serum
16.7% Human Serum
14.4% Human Serum
12.2% Human Serum
8.9% Human Serum
6.7% Human Serum
4% Human Serum