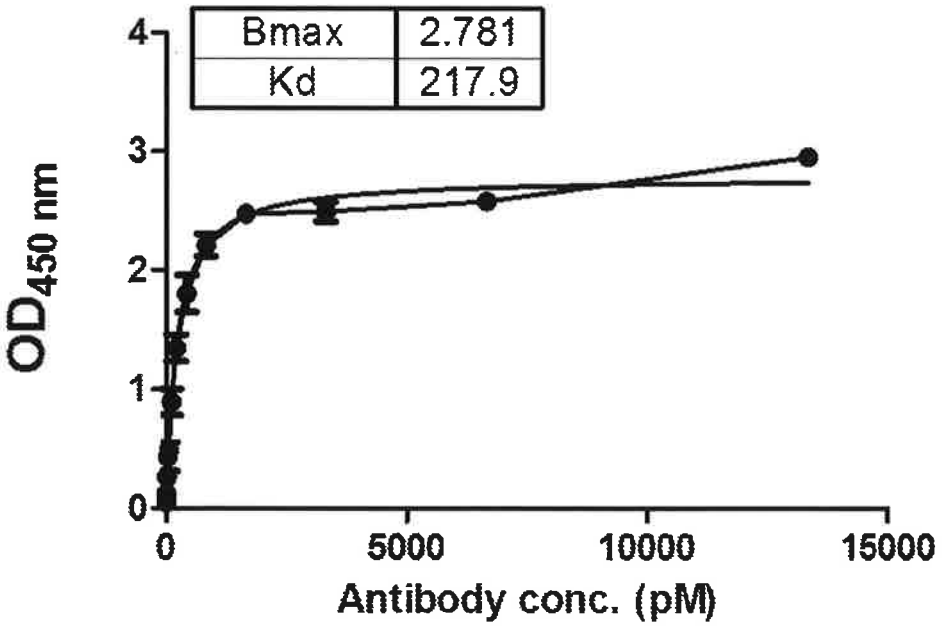

Figure 1

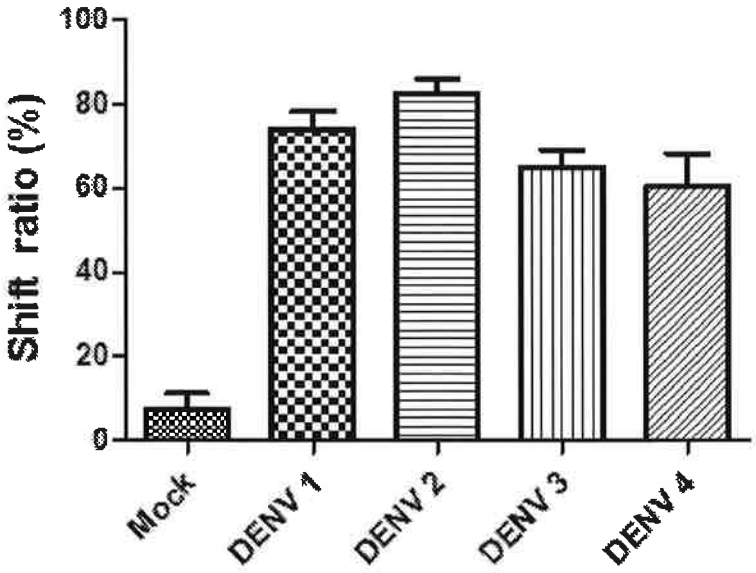

Figure 2

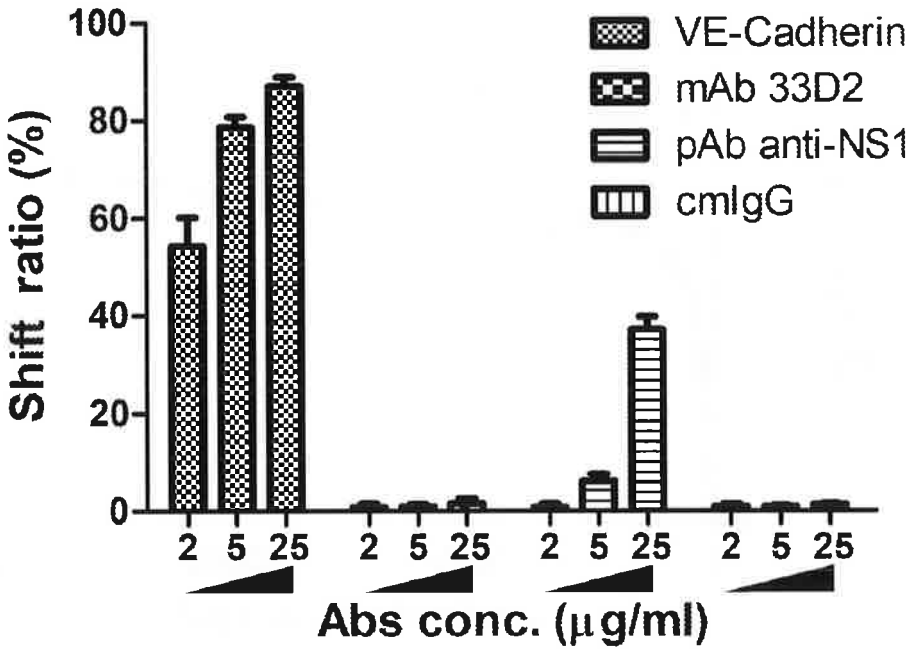

Figure 3A

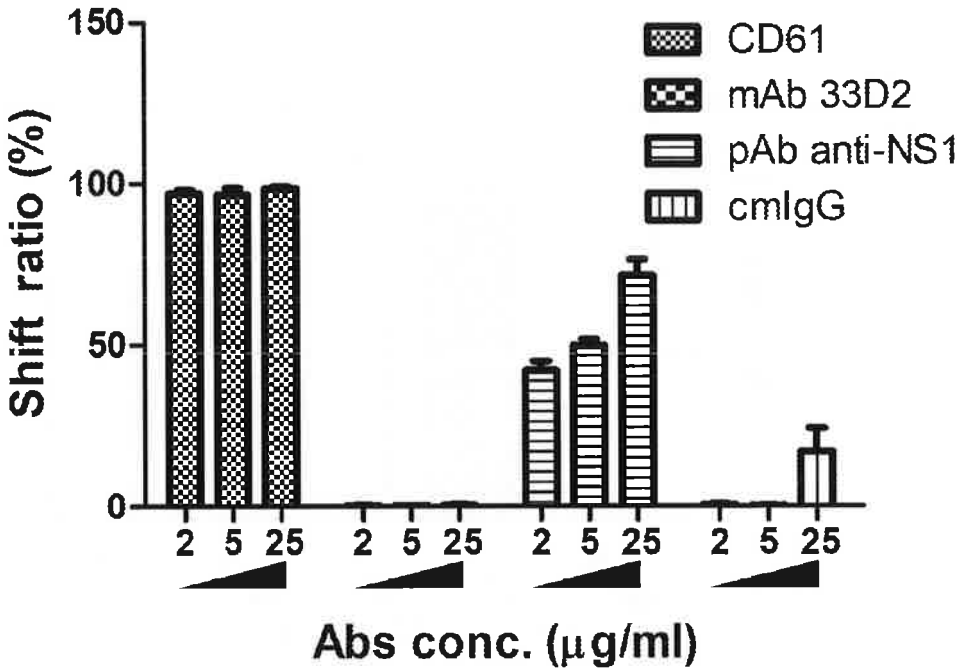

Figure 3B

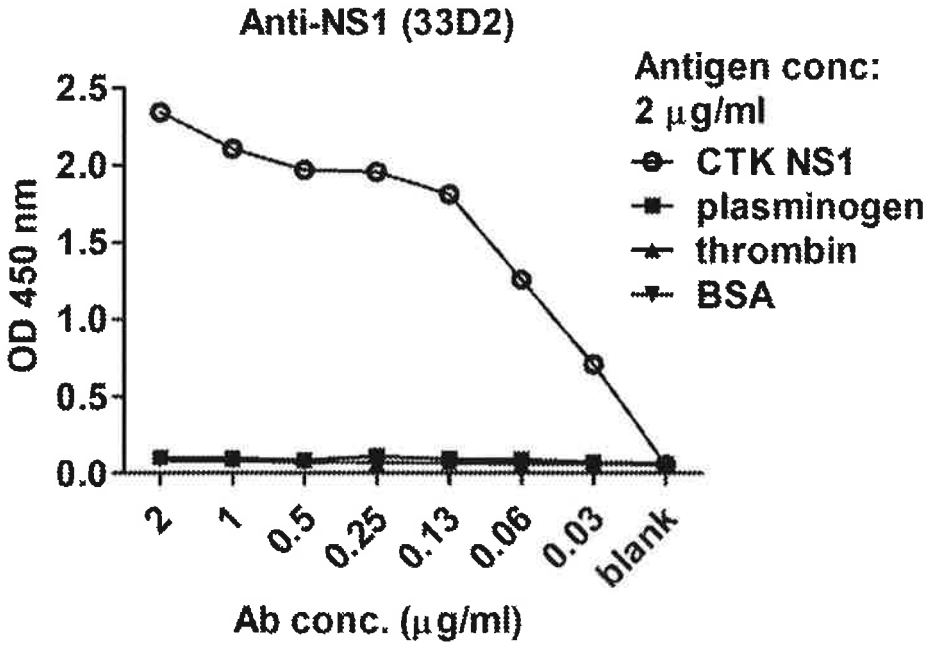
Anti-NS1 (33D2)
Antigen conc:
2 μg/ml
CTK NS1
plasminogen
thrombin
BSA
OD 450 nm
2.5
2.0
1.5
1.0
0.5
0.0
2
1
0.5
0.25
0.13
0.06
0.03
blank
Ab conc. (μg/ml)

Figure 3C

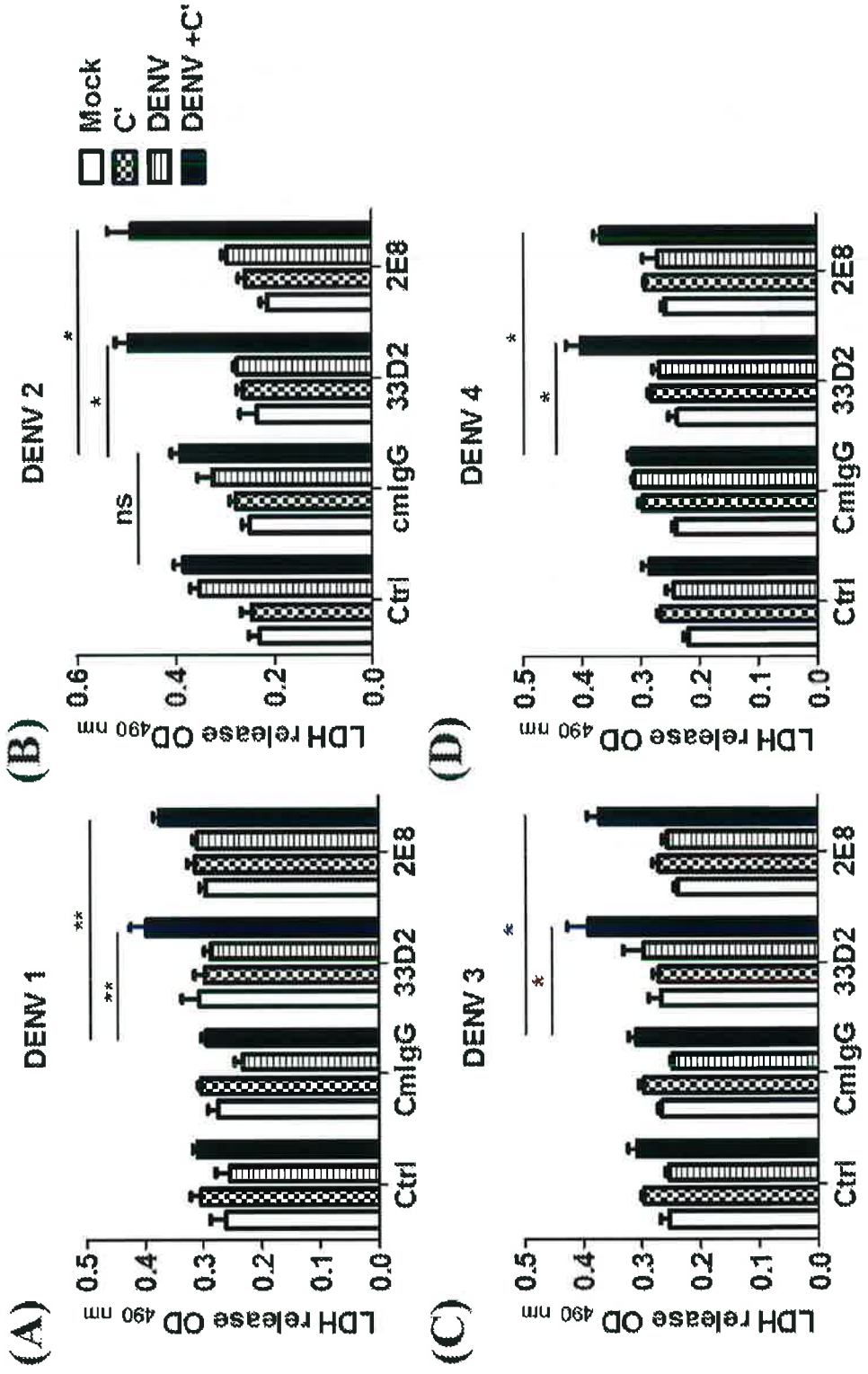
(A)
DENV 1
LDH release OD 490 nm
0.0
0.1
0.2
0.3
0.4
0.5
Ctrl
CmIgG
33D2
2E8
**
**
(B)
DENV 2
LDH release OD490 nm
0.0
0.2
0.4
0.6
Ctrl
cmIgG
33D2
2E8
ns
*
*
Mock
C'
DENV
DENV +C'
(C)
DENV 3
LDH release OD 490 nm
0.0
0.1
0.2
0.3
0.4
0.5
Ctrl
CmIgG
33D2
2E8
*
*
(D)
DENV 4
LDH release OD 490 nm
0.0
0.1
0.2
0.3
0.4
0.5
Ctrl
CmIgG
33D2
2E8
*
*

Figure 4A

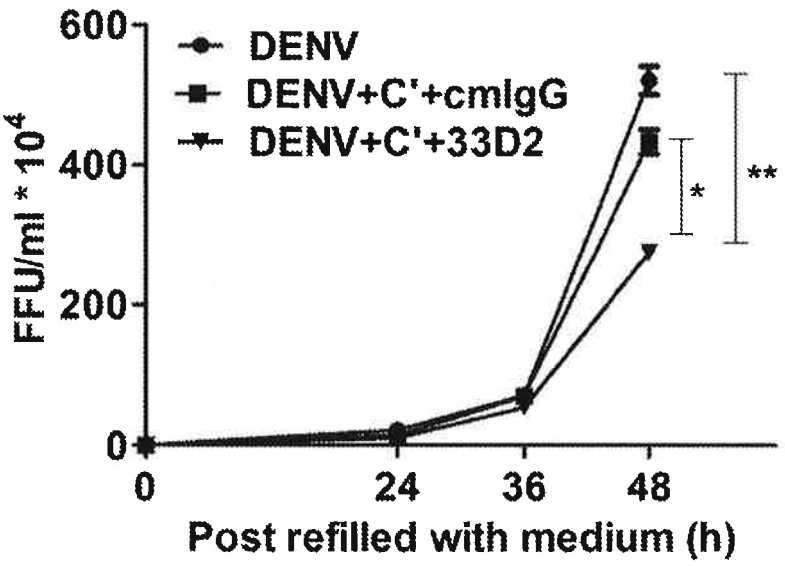

Figure 4B

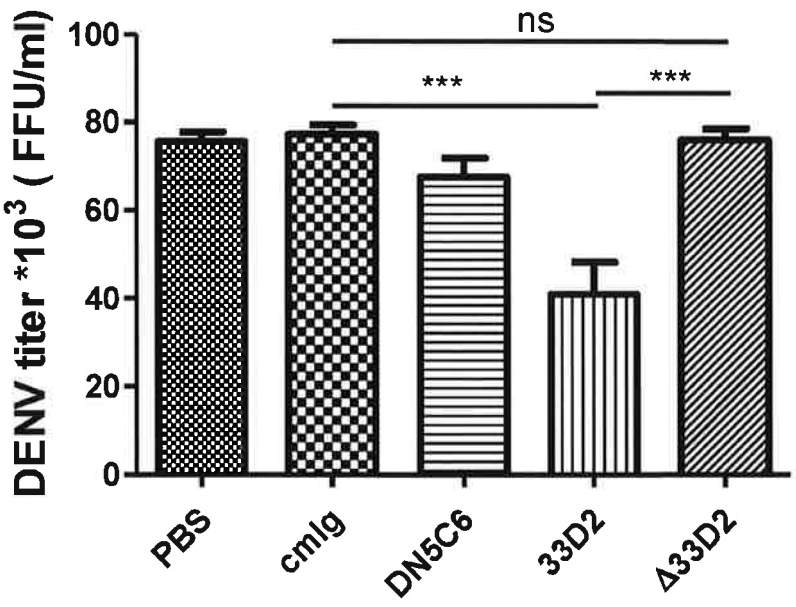

Figure 5A

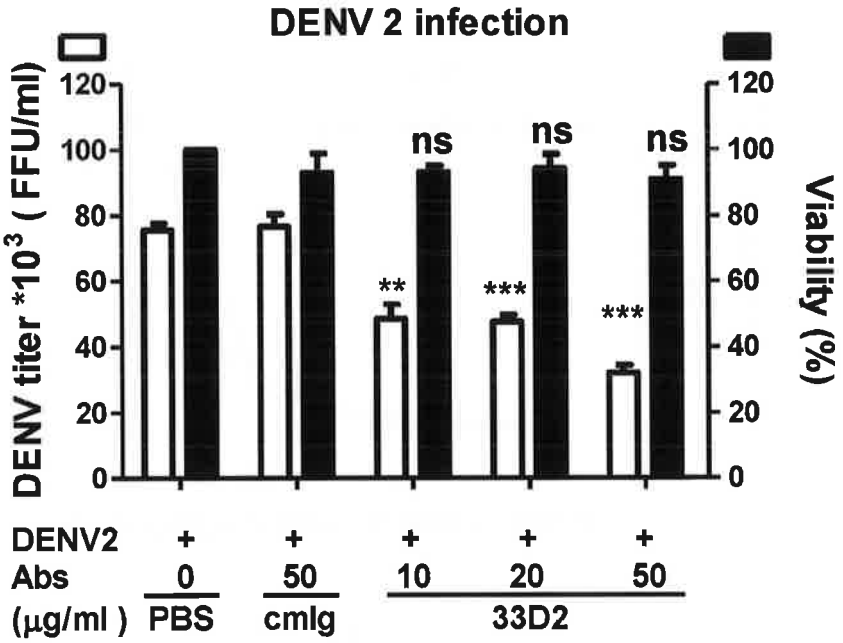
DENV 2 infection
DENV titer *10³ (FFU/ml)
Viability (%)
120
100
80
60
40
20
0
ns
ns
ns
**
***
***
DENV2 + + + + +
Abs 0 50 10 20 50
(μg/ml) PBS cmIg 33D2

Figure 5B

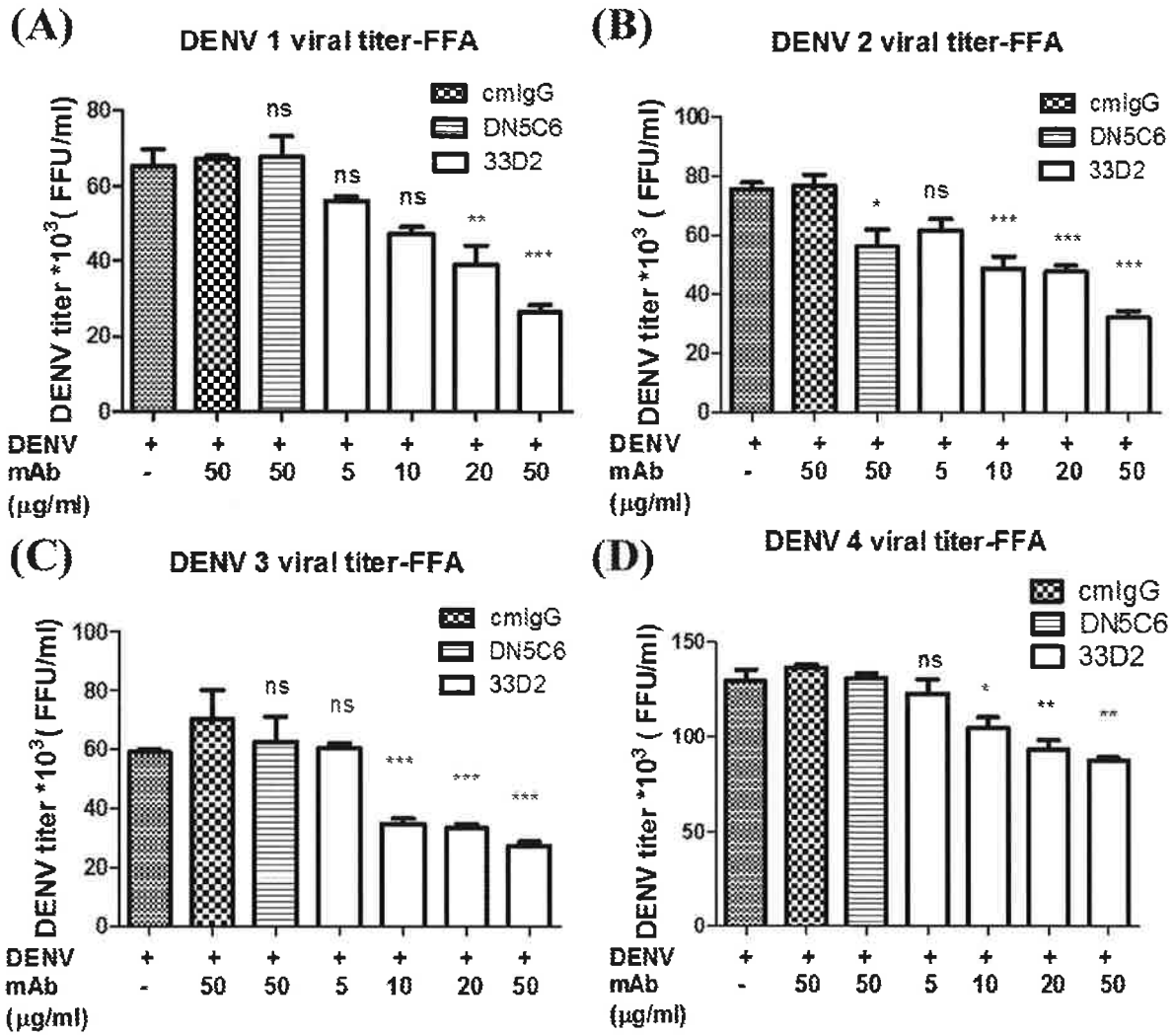
(A)
DENV 1 viral titer-FFA
DENV titer *10^3(FFU/ml)
cmIgG
DN5C6
33D2
ns
ns
ns
**
***
DENV + + + + + + +
mAb - 50 50 5 10 20 50
(μg/ml)
(B)
DENV 2 viral titer-FFA
DENV titer *10^3 (FFU/ml)
cmIgG
DN5C6
33D2
*
ns
***
***
***
DENV + + + + + + +
mAb - 50 50 5 10 20 50
(μg/ml)
(C)
DENV 3 viral titer-FFA
DENV titer *10^3(FFU/ml)
cmIgG
DN5C6
33D2
ns
ns
***
***
***
DENV + + + + + + +
mAb - 50 50 5 10 20 50
(μg/ml)
(D)
DENV 4 viral titer-FFA
DENV titer *10^3 (FFU/ml)
cmIgG
DN5C6
33D2
ns
*
**
**
DENV + + + + + + +
mAb - 50 50 5 10 20 50
(μg/ml)

Figure 5C

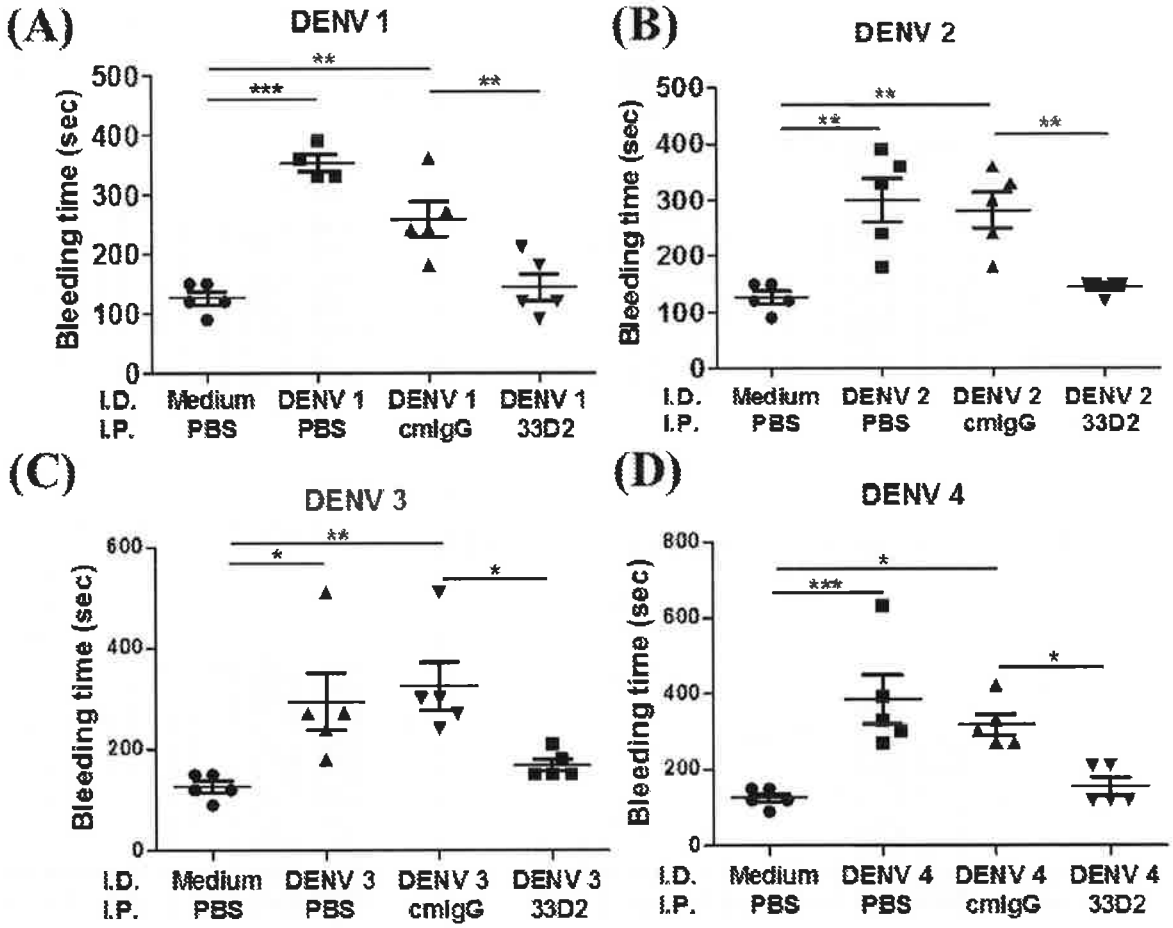
(A)
DENV 1
Bleeding time (sec)
500
400
300
200
100
0
**
***
**
I.D. Medium DENV 1 DENV 1 DENV 1
I.P. PBS PBS cmIgG 33D2
(B)
DENV 2
Bleeding time (sec)
500
400
300
200
100
0
**
**
**
I.D. Medium DENV 2 DENV 2 DENV 2
I.P. PBS PBS cmIgG 33D2
(C)
DENV 3
Bleeding time (sec)
600
400
200
0
**
*
*
I.D. Medium DENV 3 DENV 3 DENV 3
I.P. PBS PBS cmIgG 33D2
(D)
DENV 4
Bleeding time (sec)
800
600
400
200
0
*
***
*
I.D. Medium DENV 4 DENV 4 DENV 4
I.P. PBS PBS cmIgG 33D2

Figure 6A

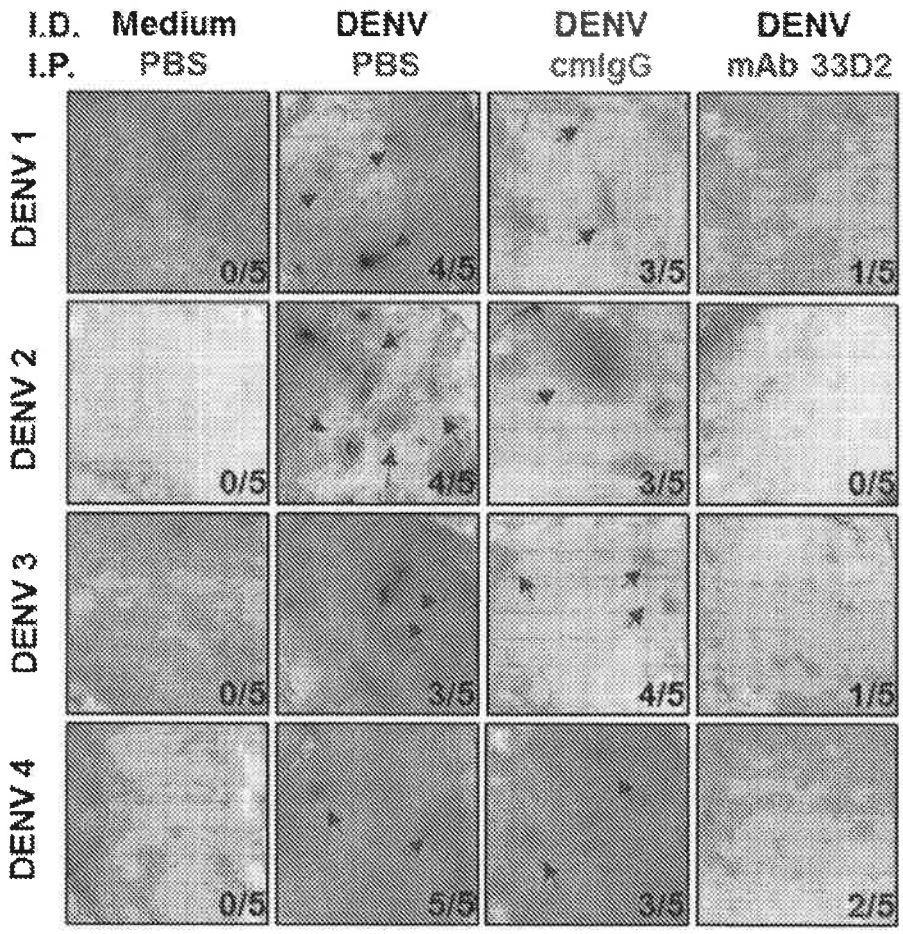
I.D. Medium
I.P. PBS
DENV
PBS
DENV
cmIgG
DENV
mAb 33D2
DENV 1
DENV 2
DENV 3
DENV 4
0/5
4/5
3/5
1/5
0/5
4/5
3/5
0/5
0/5
3/5
4/5
1/5
0/5
5/5
3/5
2/5

Figure 6B

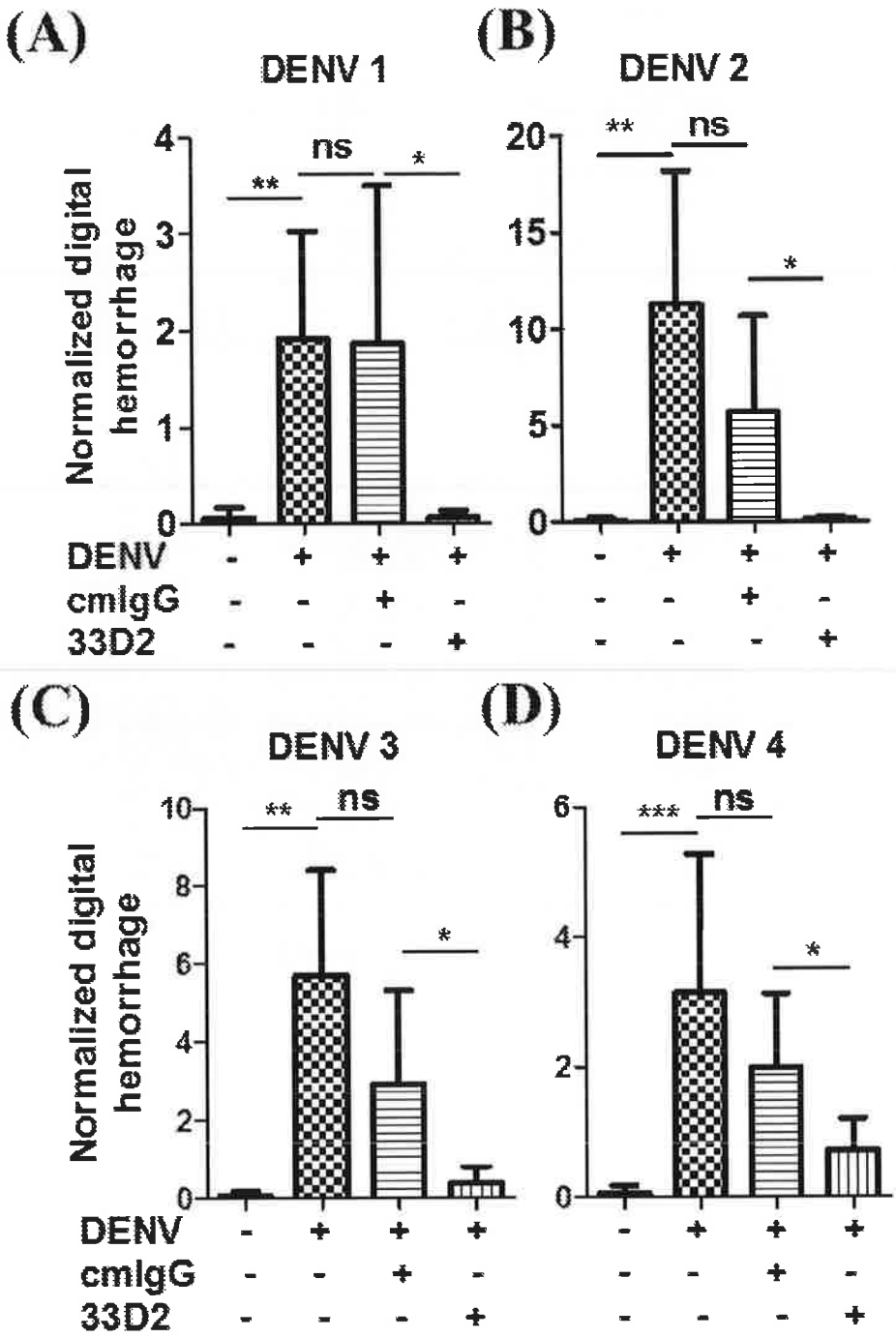
(A)
DENV 1
(B)
DENV 2
(C)
DENV 3
(D)
DENV 4
Normalized digital hemorrhage
ns
**
*
***
DENV
cmIgG
33D2

Figure 6C

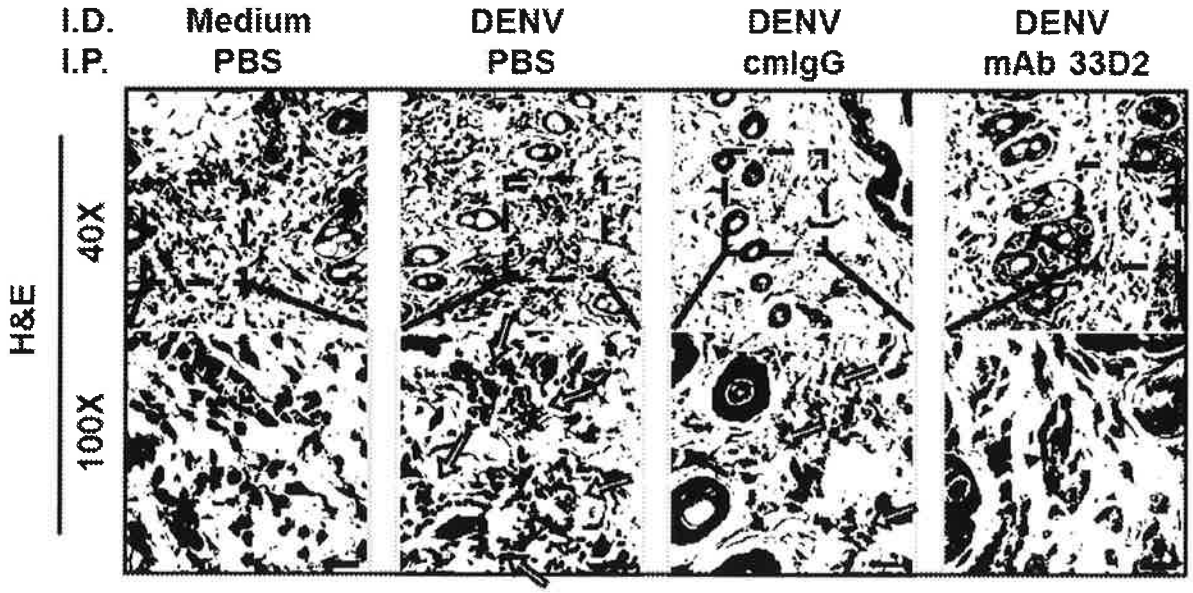

Figure 6D

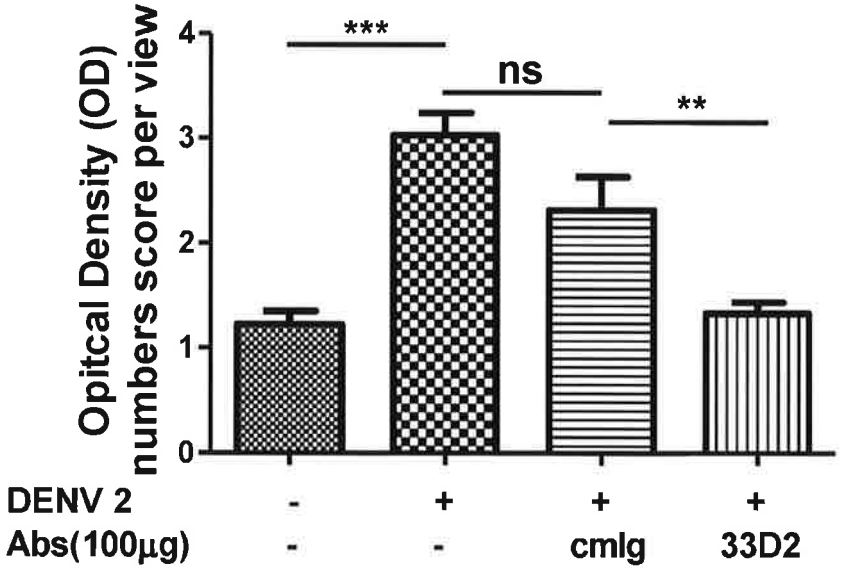

Figure 6E