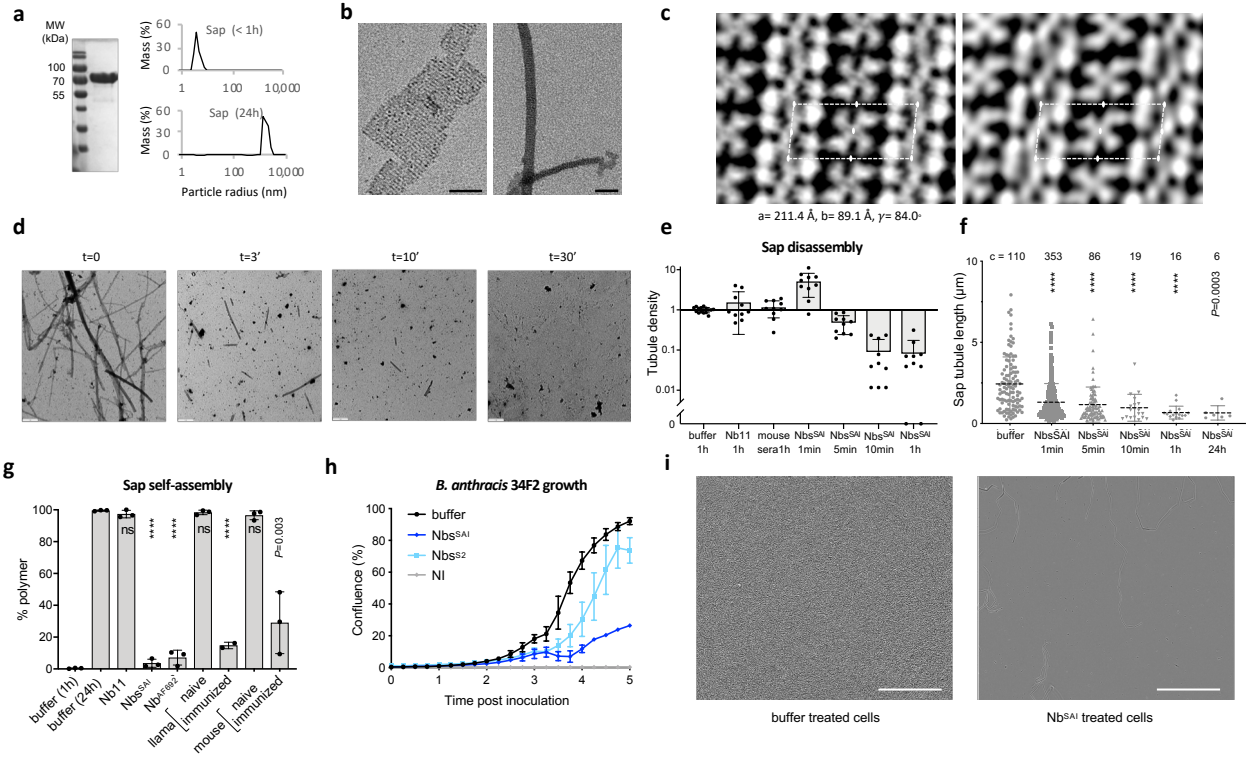
Figure 2


a
MW (kDa)
100
70
55
Sap (< 1h)
Sap (24h)
Mass (%)
Particle radius (nm)
b
c
a= 211.4 Å, b= 89.1 Å, γ= 84.0°
d
t=0
t=3′
t=10′
t=30′
e
Sap disassembly
Tubule density
buffer 1h
Nb11 1h
mouse sera 1h
NbsSAI 1min
NbsSAI 5min
NbsSAI 10min
NbsSAI 1h
f
c = 110
353
86
19
16
6
P=0.0003
Sap tubule length (µm)
buffer
NbsSAI 1min
NbsSAI 5min
NbsSAI 10min
NbsSAI 1h
NbsSAI 24h
g
Sap self-assembly
% polymer
ns
****
P=0.003
buffer (1h)
buffer (24h)
Nb11
NbsSAI
NbsF92
naive
immunized
llama
naive
immunized
mouse
h
B. anthracis 34F2 growth
buffer
NbsSAI
NbsS2
NI
Confluence (%)
Time post inoculation
i
buffer treated cells
NbSAI treated cells