

## Supplementary data

**Supplementary Table 2:** Minimal inhibitory concentration of neutralizing and non-neutralizing anti-PLY monoclonal antibodies

Monoclonal antibodies	Minimal Inhibitory Concentration ( $\mu\text{g/mL}$ )*
1-5-3	>3,710.00
24-10-9	>3,710.00
40-8-1	>3,710.00
44-10-2	4.30
Ply4	0.68
Ply5	2.85
Ply7	5.33
Ply9	830.0

\* Minimal Inhibitory Concentration (MIC) is the minimal concentration of protein needed to completely inhibit the hemolytic activity of 28ng of a recombinant PLY standard in a 100ul volume of 0.5% sheep red blood cells. The minimal hemolytic activity of the PLY standard is 2 ng in a 100ul volume of 0.5% sheep red blood cells.