

October 2017

New Product Release

Hong Kong has experienced a significant seasonal flu outbreak this past summer, with over 200 dead since May, 2017. This was significantly worse than previous seasons. This outbreak may have occurred because of a mutated flu strain. These strains are sometimes more resistant to the previous years vaccine when a recognition epitope for the vaccine is changed, and a mutation in the new strain points to a potentially important change in hemagglutinin at a glycosylation site. Also notable, the strain's appearance coincided with the tail end of the vaccine's seasonal effectiveness.

Our team at eEnzyme have been following the outbreak watch of the emerging infectious diseases around the world, and stride to provide effective tools for tackling these diseases. We have manufactured the recombinant full-length hemagglutinin protein of the mutant H3N2 strain that is related to the Hong Kong flu outbreak. Released along with this new product are a few more influenza A and B strain products and a *Borrelia burgdorferi* (Lyme disease spirochete) product.

Influenza A

HA (A/Hong Kong/3059/2017)(H3N2)(aa 17-529): [IA-H3-HK17WP](#)

HA2 (A/Hong Kong/4801/2014)(H3N2)(aa 325-529): [IA-HA2-714P](#)

HA (A/Michigan/45/2015)(H1N1)(aa 18-529): [IA-H1-M15WP](#)

M1 (A/California/07/2009)(H1N1)(aa 1-252): [IA-M1-C19P](#)

Anti-HA1 (A/California/07/2009)(H1N1): [IA-HA1-007](#)

Anti-HA (A/Michigan/45/2015)(H1N1), monoclonal: [MIA-H1-M015](#)

Influenza B

HA1 (B/Brisbane/60/2008)(aa 16-363)(6x His tag): [IB-HA1-608P](#)

HA2 (B/Brisbane/60/2008)(aa 361-547)(Fc-tag): [IB-HA2-608P](#)

Anti-HA2 (B/Brisbane/60/2008), rabbit IgG: [IB-HA2-0608](#)

Anti-HA2 (B/Brisbane/60/2008), rabbit serum: [IB-HA2-1608](#)

Borrelia burgdorferi

VlsE Protein of *Borrelia burgdorferi*: [BB-VISE-005P](#)

[Our link for Influenza Virus Research](#)