

Lot Certificate of Analysis

Protein Name: A/South Australia/34/2019 rHA

Catalog Number: H3-20234

General Information: 6X-His Hemagglutinin Trimer; Expressed in HEK Expi293; Purified by IMAC; Suspended in Phosphate Buffered Saline with 0.1% Azide

Quantity: 100 µg

Buffer: **PBSA:**
Potassium Dihydrogen Phosphate 0.144g/L, Sodium Chloride 9g/L,
Disodium Phosphate 0.795g/L; 0.1% Azide; pH 7.3-7.5

MW: ~270 kDa (native trimer)
~80-90 kDa (monomer) (SDS-PAGE)

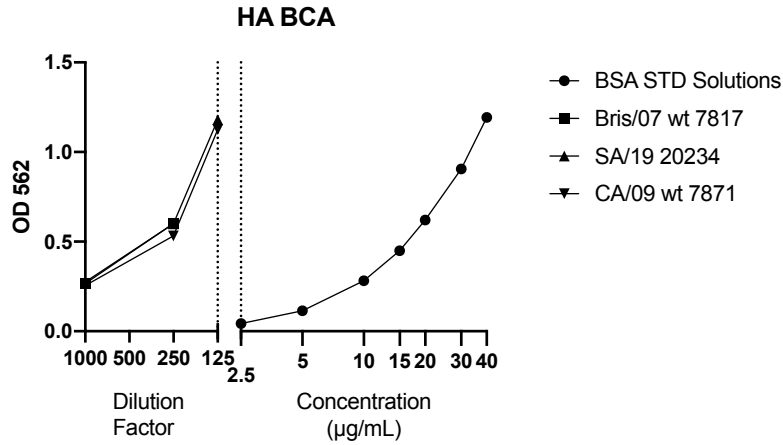
Purity: ≥95%

Stability: At least 1 year at -80°C

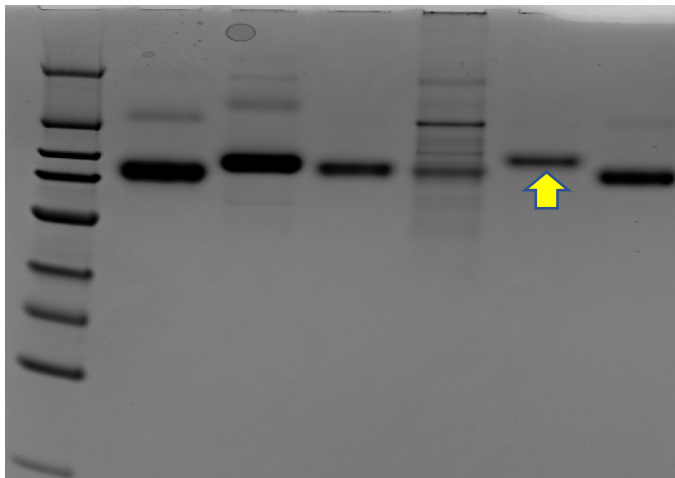
Storage: -80°C; Avoid Freeze/Thaw Cycles

Sequence: **EPI1607117**
MKTIIALSYLCLVFAQKIPGNDNSTATLCLGHHAVPNGTIVKTITNDRIEVTNATELVQNSSIGEIC
DSPHQILDGGNCTLIDALLGDPQCDGFQNKKWDLFVERSRAYSNCYPYDVPDYASLRSLVASSG
TLEFKNESFNWTGVKQNGTSSACIRGSSSSFFSRLNWLTHLNYTYPALNVTMPNKEQFDKLYIW
GVHHPGTDKDQIFLYAQSSGRITVSTKRSQQAVIPNIGFRPRIRDIPSRSIYWTIVKPGDILLINST
GNLIAPRGYFKIRSGKSSIMRSDAPIGKCKSECITPNGSIPNDKPFQNVNRITYGACPRYVKQSTLK
LATGMRNVPEKQTRGIFGAIAGFIENGWEGMMDGWYGFRHQNSEGRGQAADLKSTQAAID
QINGKLNRLIGKTNEKFHQIEKEFSEVEGRVQDLEKYVEDTKIDLWSYNAELLVALENQHTIDLTD
SEMNKLFKTKKQLRENAEDMGNGCFKIYHKCDNACIGSIRNETYDHNVYRDEALNNRFQIKG
VELKSGYKDWILWISFAISCFLLCIALLGFMWACQKGNIRCNICI

BCA Curve with Plotted Points:

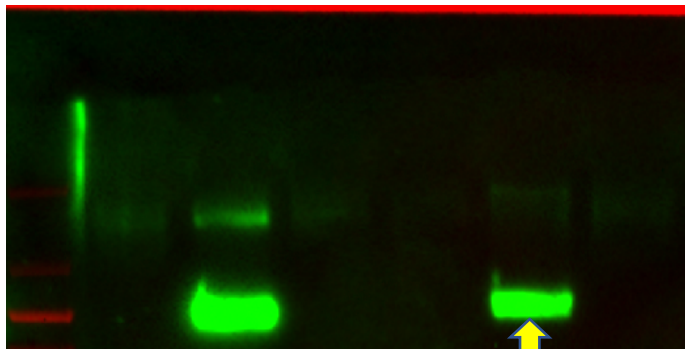


Coomassie Gel with BSA Standard:



- Lane 1: Ladder
- Lane 2: CA/09 wt 7871 H1 STD 1µg
- Lane 3: Sing/16 wt 7975 H3 STD 1µg
- Lane 4: Bris/07 wt 7817 H1-7817-002 1µg
- Lane 5: cH7/3 7765 C0703-7765-002 1µg
- Lane 6: South Australia/19 wt 20234 H3-20234-003 1µg
- Lane 7: CA/09 wt 7871 H1-7871-009 1µg

Western Blot with HA Standard:



- Lane 1: Ladder
- Lane 2: CA/09 wt 7871 H1 STD 1µg
- Lane 3: Sing/16 wt 7975 H3 STD 1µg
- Lane 4: Bris/07 wt 7817 H1-7817-002 1µg
- Lane 5: cH7/3 7765 C0703-7765-002 1µg
- Lane 6: South Australia/19 wt 20234 H3-20234-003 1µg
- Lane 7: CA/09 wt 7871 H1-7871-009 1µg