Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Recombinant S. aureus LukA-LukB (tag-free)

Catalog No: tcip3013

Available Sizes

Size: 100µg

Specifications

Application:
WB

Research Area:
Virology

Form:
Frozen Liquid

Concentration:
Supplied at a concentration of 1.524 mg/mL in sodium phosphate buffer containing sodium chloride and 5% glycerol.

Recommended Dilution:
Assay-dependent dilutions.

Purity / Grade:
Column chromatography

Storage Instruction:
2-3 weeks at -20°C, -80°C long term

Relevance:
This protein may be used in functional HL-60 toxicity assay, or as a control protein when detecting LukA-LukB in strains of S. aureus.

Product Description

Purified, tag-free recombinant Staphylococcus aureus LukA-LukB heterodimer. ;

The theoretical molecular weight of LukA is 37,082 Daltons and the molecular weight of LukB is 35,573 Daltons.

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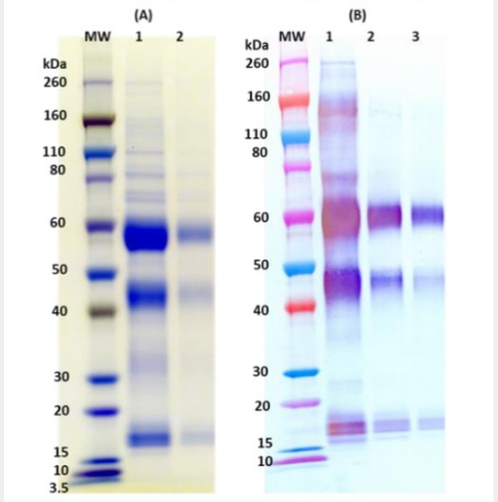
SDS-PAGE & Western Blot Detection



(Panel A) SDS-PAGE demonstrating 5 g and 1 g (lane 1, 2 respectively) of EBOV rGPΔmuc protein under denaturing and reducing conditions. MW denotes Novex Sharp pre-stained protein standard. (Panel B) Western blot detection of EBOV rGPΔmuc at 500 ng, 100 ng and 50 ng (lanes 1-3) under denaturing and reducing conditions. EBOV rGPΔmuc was detected using an anti EBOV 1® rGPΔmuc polyclonal antibody at 2.0 g/mL and anti-rabbit IgGHRP conjugate, followed by TMB membrane substrate. The theoretical molecular weight of the protein is 56 kDa.

ELISA Data

EBOV rGPΔmuc ng/well	OD 650 nm
800.000	3.691
400.000	3.835
200.000	3.624
100.000	3.554
50.000	3.522
25.000	3.357
12.500	3.014
6.250	2.516
3.125	1.881
1.563	1.396
0.781	0.678
0.391	0.438

Plate was coated with EBOV rGPΔmuc starting at 800 ng/well, serially diluted in DPBS. The washed plate was detected using one dilution of a positive control serum, followed with anti-IgG-HRP conjugate and TMB microwell substrate. OD 650 is reported. Background of EBOV rGPΔmuc without positive control serum was 0.071 OD 650.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!

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