

Fraction 1 Capsular Antigen (F1) from *Yersinia pestis* with N-terminal Histidine Tag, Expressed in *Escherichia coli*

Catalog No. NR-15771

This reagent is the property of the U. S. Government.

Product Description: NR-15771 is a recombinant form of the *Yersinia pestis* (*Y. pestis*) fraction 1 capsular antigen (F1). The recombinant protein was expressed in *Escherichia coli* and purified by nickel affinity chromatography.

Lot: 61636689

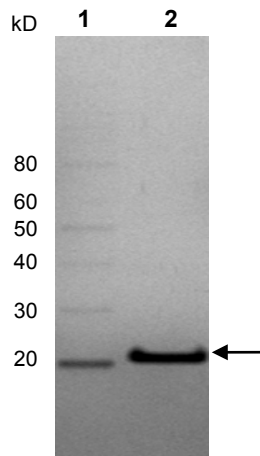
Manufacturing Date: 30SEP2013

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless, no particulate matter	Clear and colorless, no particulate matter
Purity by SDS-PAGE densitometer scan	~ 20 kDa band represents > 90% of total staining intensity above background	~ 20 kDa band represents 95% of total staining intensity above background (Figure 1)
Identification by Western Blot Analysis Monoclonal anti- <i>Y. pestis</i> F1 ¹ Monoclonal anti-histidine tag ²	Reactive Reactive	Reactive (Figure 2A) Reactive (Figure 2B)
Concentration by Bicinchoninic Acid Protein Assay	Report results	1.14 mg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	342 µg 300 µL
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	≤ 68 EU/mg
Filtration	0.45 µm filtered	0.45 µm filtered

¹YPF19, Santa Cruz Biotechnology sc-52303

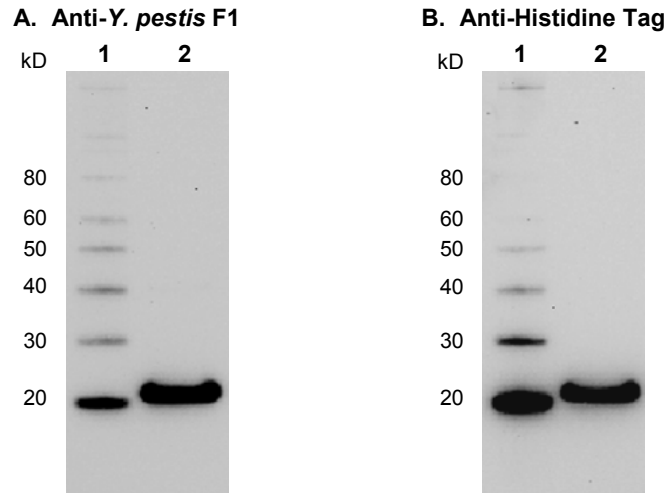
²Clone AD 1.1.10, R&D Systems® MAB050

Figure 1 — SDS-PAGE



Lane 1 – Invitrogen™ MagicMark™ XP Western Protein Standard
Lane 2 – NR-15771 (~ 1 µg)

Figure 2 — Western Blot



Lane 1 – Invitrogen™ MagicMark™ XP Western Protein Standard
Lane 2 – NR-15771 (~ 1 µg)

Date: 28 OCT 2013

Signature: *Michael R. Gynther*

Title: Technical Manager, BEI Authentication or designee

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