Polyclonal Anti-\textit{Yersinia pestis} V-Antigen (LcrV) (antiserum, Goat)

Catalog No. NR-31022
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Lot No. PAS14181 (60242019)

For research use only. Not for human use.

\textbf{Contributor:}
National Institutes of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

\textbf{Manufacturer:}
ProSci Incorporated, 12170 Flint Place, Poway, California

\textbf{Product Description:}
Antiserum to the \textit{Yersinia pestis} (\textit{Y. pestis}) V-antigen (LcrV) was produced by immunization of a goat with a recombinant form of the V-antigen. Three bleeds were pooled and aliquoted to produce NR-31022.

\textit{Y. pestis}, the causative agent of the plague, is a Gram-negative pathogen that infects many animal species, including humans, and is transmitted by arthropod vectors or aerosol droplets.\footnote{V-antigen is a multifunctional protein that plays an important role in type III secretion in \textit{Y. pestis}.} Immunization with purified recombinant V-antigen is sufficient to generate protective immunity to plague in mice, guinea pigs, and non-human primates.\footnote{Additionally, V-antigen injection into animals results in the release of interleukin–10, a cytokine that suppresses innate immune functions, and also prevents the release of proinflammatory cytokines.} Material Provided:
Each vial contains 1 mL of polyclonal antiserum to recombinant V-antigen.

Packaging/Storage:
NR-31022 was packaged in screw cap cryovials. It is provided frozen and should be stored at -20°C or colder immediately upon arrival.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-\textit{Yersinia pestis} V-Antigen (LcrV) (antiserum, Goat), NR-31022.”

\textbf{Biosafety Level: 1}

\textbf{Disclaimers:}
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\textbf{References:}


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